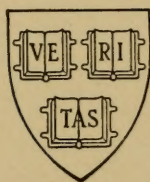


S-QVA 6204

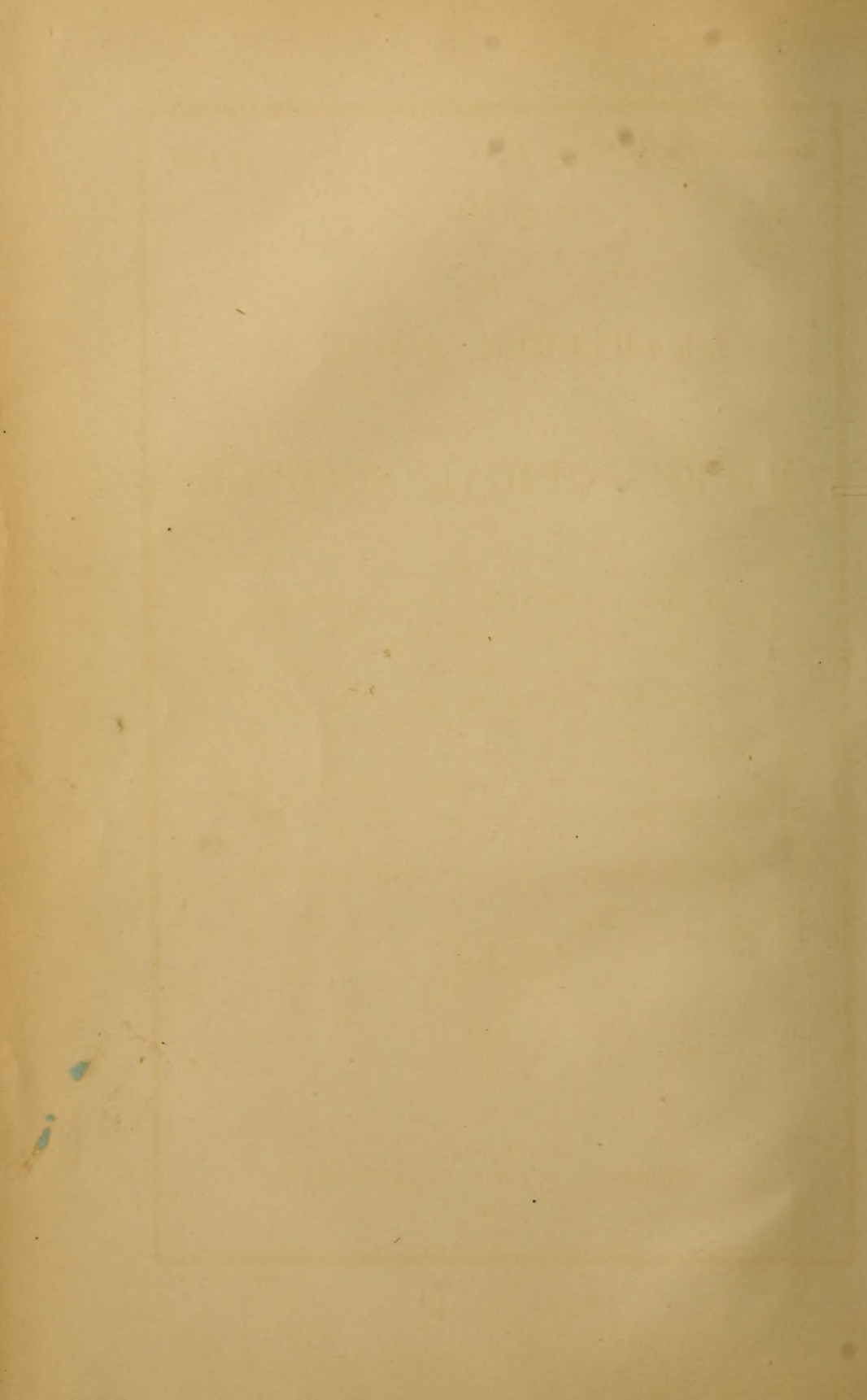
HARVARD UNIVERSITY



LIBRARY

OF THE

MUSEUM OF COMPARATIVE ZOÖLOGY



DEC 1 1894

New Series, No. 145 (Vol. 37, Part 1).

Price 10s.

7527

NOVEMBER, 1894.



THE
QUARTERLY JOURNAL
OF
MICROSCOPICAL SCIENCE.

EDITED BY

E. RAY LANKESTER, M.A., LL.D., F.R.S.,

*Linacre Professor of Comparative Anatomy, Fellow of Merton College, and Honorary
Fellow of Exeter College, Oxford.*

WITH THE CO-OPERATION OF

ADAM SEDGWICK, M.A., F.R.S.,

Fellow and Lecturer of Trinity College, Cambridge;

AND

W. F. R. WELDON, M.A., F.R.S.,

*Fodrell Professor of Zoology and Comparative Anatomy in University College, London;
Fellow of St. John's College, Cambridge.*

WITH LITHOGRAPHIC PLATES AND ENGRAVINGS ON WOOD.



LONDON:

J. & A. CHURCHILL, 11, NEW BURLINGTON STREET.

1894.

ag. 9
45 Plates

UNIVERSITY OF CAMBRIDGE
LIBRARY

CONTENTS OF No. 145.—New Series.

MEMOIRS:

| | PAGE |
|---|------|
| On <i>Julinia</i> ; a New Genus of Compound Ascidians from the Antarctic Ocean. By W. T. CALMAN, University College, Dundee. (With Plates 1—3) | 1 |
| Hermaphroditism in Mollusca. By Dr. PAUL PELSENER (Ghent). (With Plates 4—6) | 19 |
| A Description of the Cerebral Convolutions of the Chimpanzee known as "Sally;" with Notes on the Convolutions of other Chimpanzees and of two Orangs. By W. BLAXLAND BENHAM, D.Sc.Lond., Hon. M.A.Oxon., Aldrichian Demonstrator of Comparative Anatomy in the University of Oxford; Lecturer on Biology at Bedford College, London. (With Plates 7—11) | 47 |
| On the Inadequacy of the Cellular Theory of Development, and on the Early Development of Nerves, particularly of the Third Nerve and of the Sympathetic in Elasmobranchii. By ADAM SEDGWICK, F.R.S. | 87 |
| On <i>Benhamia cœcifera</i> , n. sp., from the Gold Coast. By W. BLAXLAND BENHAM, D.Sc.Lond., Hon. M.A.Oxon., Aldrichian Demonstrator in Comparative Anatomy in the University of Oxford, &c. (With Plate 12) | 103 |

2197
4-4

JAN 21 1895

New Series, No. 146 (Vol. 37, Part 2).

Price 10s.

7527
DECEMBER, 1894.

THE
QUARTERLY JOURNAL
OF
MICROSCOPICAL SCIENCE.

EDITED BY

E. RAY LANKESTER, M.A., LL.D., F.R.S.,

*Linacre Professor of Comparative Anatomy, Fellow of Merton College, and Honorary
Fellow of Exeter College, Oxford.*

WITH THE CO-OPERATION OF

ADAM SEDGWICK, M.A., F.R.S.,

Fellow and Lecturer of Trinity College, Cambridge;

AND

W. F. R. WELDON, M.A., F.R.S.,

*Jodrell Professor of Zoology and Comparative Anatomy in University College, London;
Fellow of St. John's College, Cambridge.*

WITH LITHOGRAPHIC PLATES AND ENGRAVINGS ON WOOD.



LONDON:

J. & A. CHURCHILL, 11, NEW BURLINGTON STREET.

1894.



CONTENTS OF No. 146.—New Series.

MEMOIRS:

| | PAGE |
|---|------|
| A Re-investigation into the Early Stages of the Development of the Rabbit. By RICHARD ASSHETON, M.A. (With Plates 13—17) . | 113 |
| On the Phenomenon of the Fusion of the Epiblastic Layers in the Rabbit and in the Frog. By RICHARD ASSHETON, M.A. (With Plate 18) | 165 |
| On the Causes which lead to the Attachment of the Mammalian Embryo to the Walls of the Uterus. By RICHARD ASSHETON, M.A. (With Plate 19) | 173 |
| The Primitive Streak of the Rabbit; the Causes which may determine its Shape, and the Part of the Embryo formed by its Activity. By RICHARD ASSHETON, M.A. (With Plates 20—22). | 191 |
| On the Growth in Length of the Frog Embryo. By RICHARD ASSHETON, M.A. (With Plates 23 and 24) | 223 |

7527
New Series, No. 147 (Vol. 37, Part 3).

Price 10s.

MARCH, 1895.

THE
QUARTERLY JOURNAL
OF
MICROSCOPICAL SCIENCE.

EDITED BY

E. RAY LANKESTER, M.A., LL.D., F.R.S.,

*Linacre Professor of Comparative Anatomy, Fellow of Merton College, and Honorary
Fellow of Exeter College, Oxford.*

WITH THE CO-OPERATION OF

ADAM SEDGWICK, M.A., F.R.S.,

Fellow and Lecturer of Trinity College, Cambridge;

AND

W. F. R. WELDON, M.A., F.R.S.,

*Jodrell Professor of Zoology and Comparative Anatomy in University College, London;
Fellow of St. John's College, Cambridge.*

WITH LITHOGRAPHIC PLATES AND ENGRAVINGS ON WOOD.



LONDON:

J. & A. CHURCHILL, 11, NEW BURLINGTON STREET.

1895.

CONTENTS OF No. 147.—New Series.

MEMOIRS:

| | PAGE |
|--|------|
| On the Variation of the Tentaculocysts of <i>Aurelia aurita</i> . By EDWARD T. BROWNE, B.A., University College, London. (With Plate 25) | 245 |
| On the Structure of <i>Vermiculus pilosus</i> . By E. S. GOODRICH, F.L.S., Assistant to the Linacre Professor, Oxford. (With Plates 26—28) | 253 |
| On the Mouth-parts of the Cypris-stage of <i>Balanus</i> . By THEO. T. GROOM, F.Z.S., late Scholar of St. John's College, Cambridge. (With Plate 29) | 269 |
| A Study of <i>Coccidia</i> met with in Mice. By J. JACKSON CLARKE, M.B. Lond. (With Plate 30) | 277 |
| Observations on Various Sporozoa. By J. JACKSON CLARKE, M.B. Lond. (With Plates 31—33) | 287 |
| A Revision of the Genera and Species of the Branchiostomidæ. By J. W. KIRKALDY. (With Plates 34 and 35) | 303 |
| Sedgwick's Theory of the Embryonic Phase of Ontogeny as an Aid to Phylogenetic Theory. By E. W. MACBRIDE, B.A., Fellow of St. John's College, Cambridge; Demonstrator in Animal Morphology to the University of Cambridge | 325 |

JUL 22 1895
New Series, No. 148 (Vol. 37, Part 4).

Price 10s.

7527
JUNE, 1895.

THE
QUARTERLY JOURNAL
OF
MICROSCOPICAL SCIENCE.

EDITED BY

E. RAY LANKESTER, M.A., LL.D., F.R.S.,

*Linacre Professor of Comparative Anatomy, Fellow of Merton College, and Honorary
Fellow of Exeter College, Oxford.*

WITH THE CO-OPERATION OF

ADAM SEDGWICK, M.A., F.R.S.,

Fellow and Lecturer of Trinity College, Cambridge;

AND

W. F. R. WELDON, M.A., F.R.S.,

*Jodrell Professor of Zoology and Comparative Anatomy in University College, London;
Fellow of St. John's College, Cambridge.*

WITH LITHOGRAPHIC PLATES AND ENGRAVINGS ON WOOD.



LONDON:

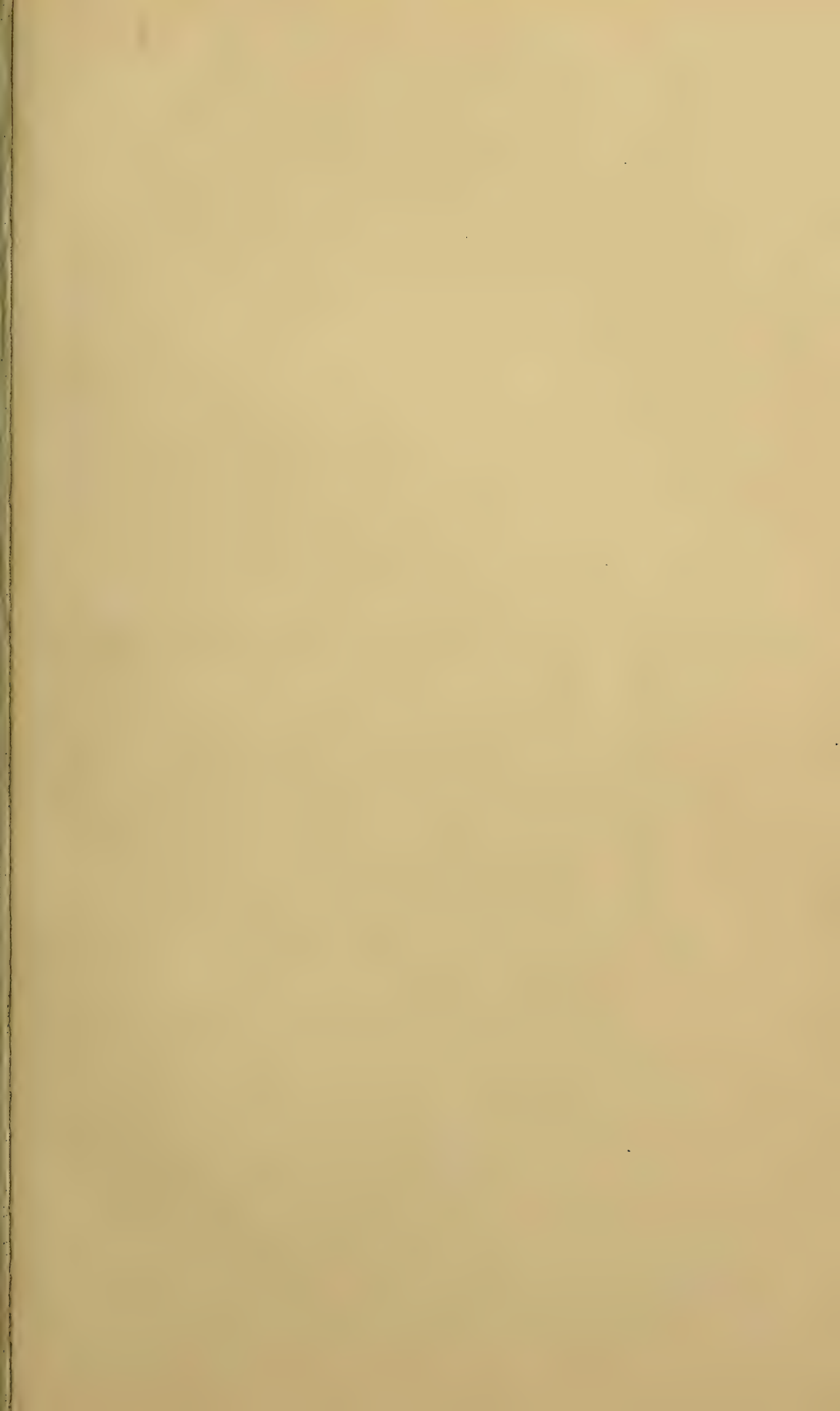
J. & A. CHURCHILL, 11, NEW BURLINGTON STREET.

1895.

CONTENTS OF No. 148.—New Series.

MEMOIRS:

| | PAGE |
|---|------|
| The Anatomy of <i>Alcyonium digitatum</i> . By SYDNEY J. HICKSON, M.A., D.Sc., Beyer Professor of Zoology in the Owens College, Manchester; Fellow of Downing College, Cambridge. (With Plates 36—39) | 343 |
| Note on the Chemical Constitution of the Mesoglœa of <i>Alcyonium digitatum</i> . By W. LANGDON BROWN, B.A., late Hutchinson Research Student, St. John's College, Cambridge | 389 |
| A Study of Metamerism. By T. H. MORGAN, Ph.D., Associate Professor of Biology, Bryn Mawr College, U.S.A. (With Plates 40—43) | 395 |
| On the Cœlom, Genital Ducts, and Nephridia. By EDWIN S. GOODRICH, F.L.S., Assistant to the Linacre Professor of Comparative Anatomy, Oxford. (With Plates 44 and 45). | 477 |



Manuscript No. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000



Figs 1 & 2 L.B. 3-11 W.T.C. adnat del.

Fig. 26



Fig. 27.



Fig. 29.



Fig. 30

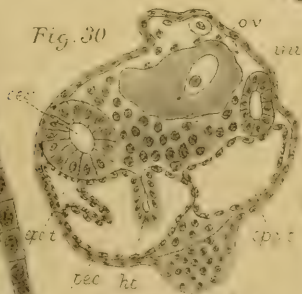


Fig. 28



Fig. 31.

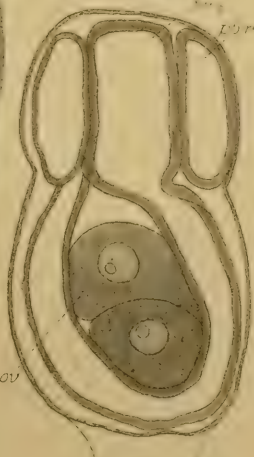
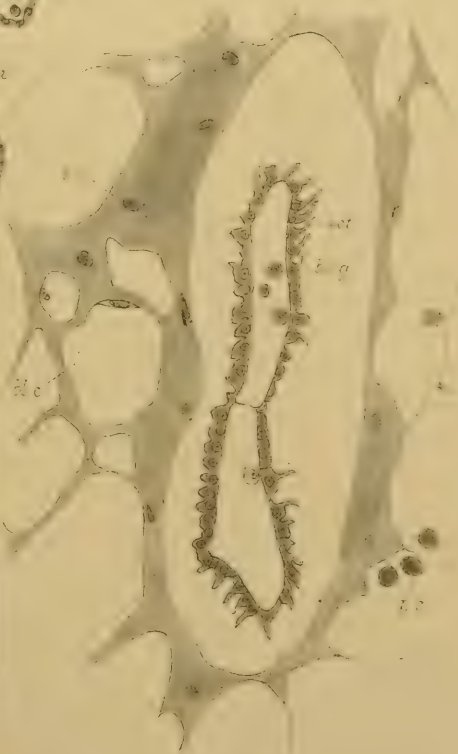
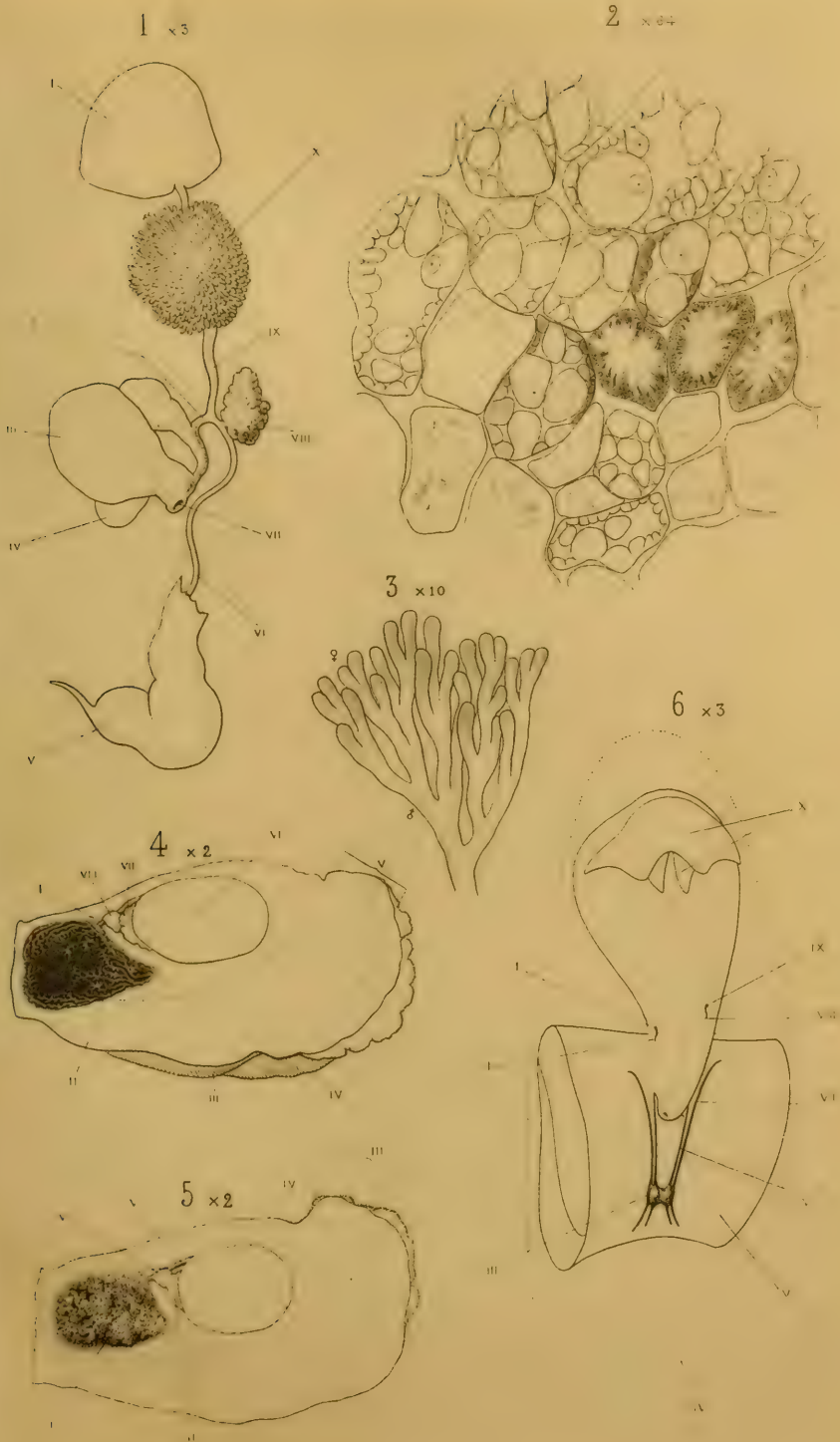
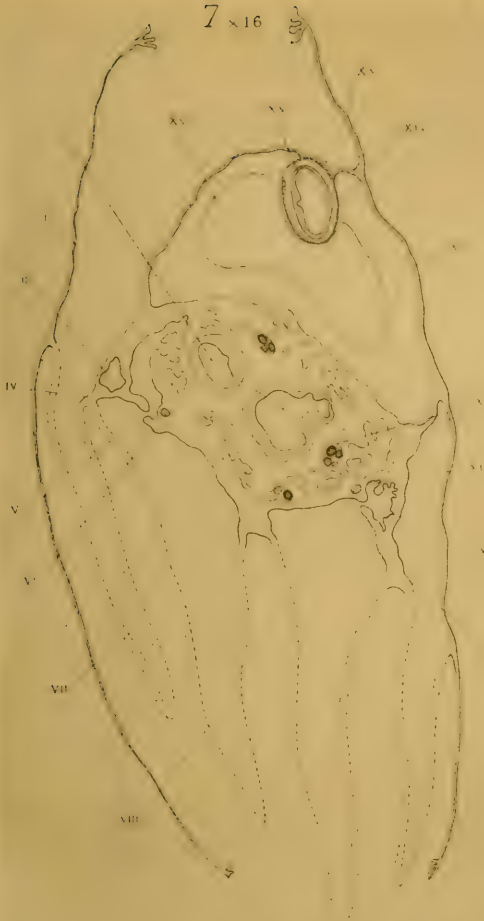


Fig. 32.





7 $\times 16$



8 $\times 16$



10 $\times 15$



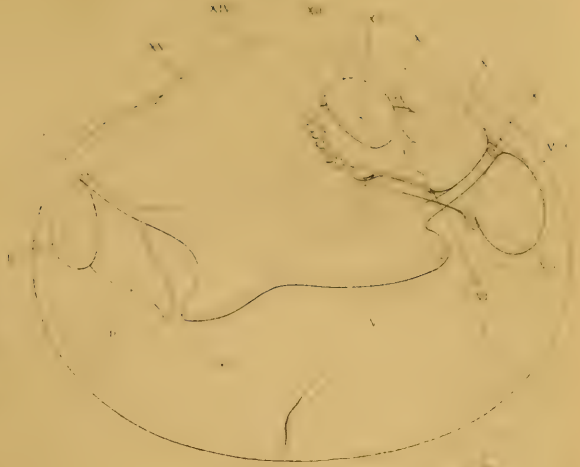
9 $\times 64$



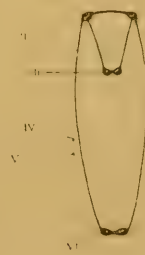
11 $\times 85$



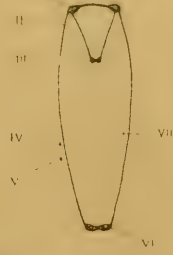
12 $\times 9$



13



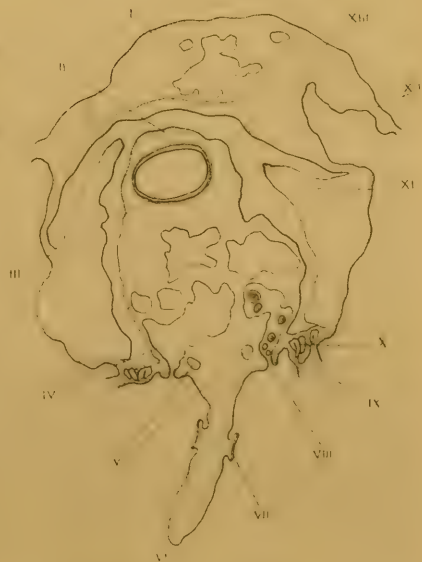
14



15 $\times 20$



16 $\times 20$



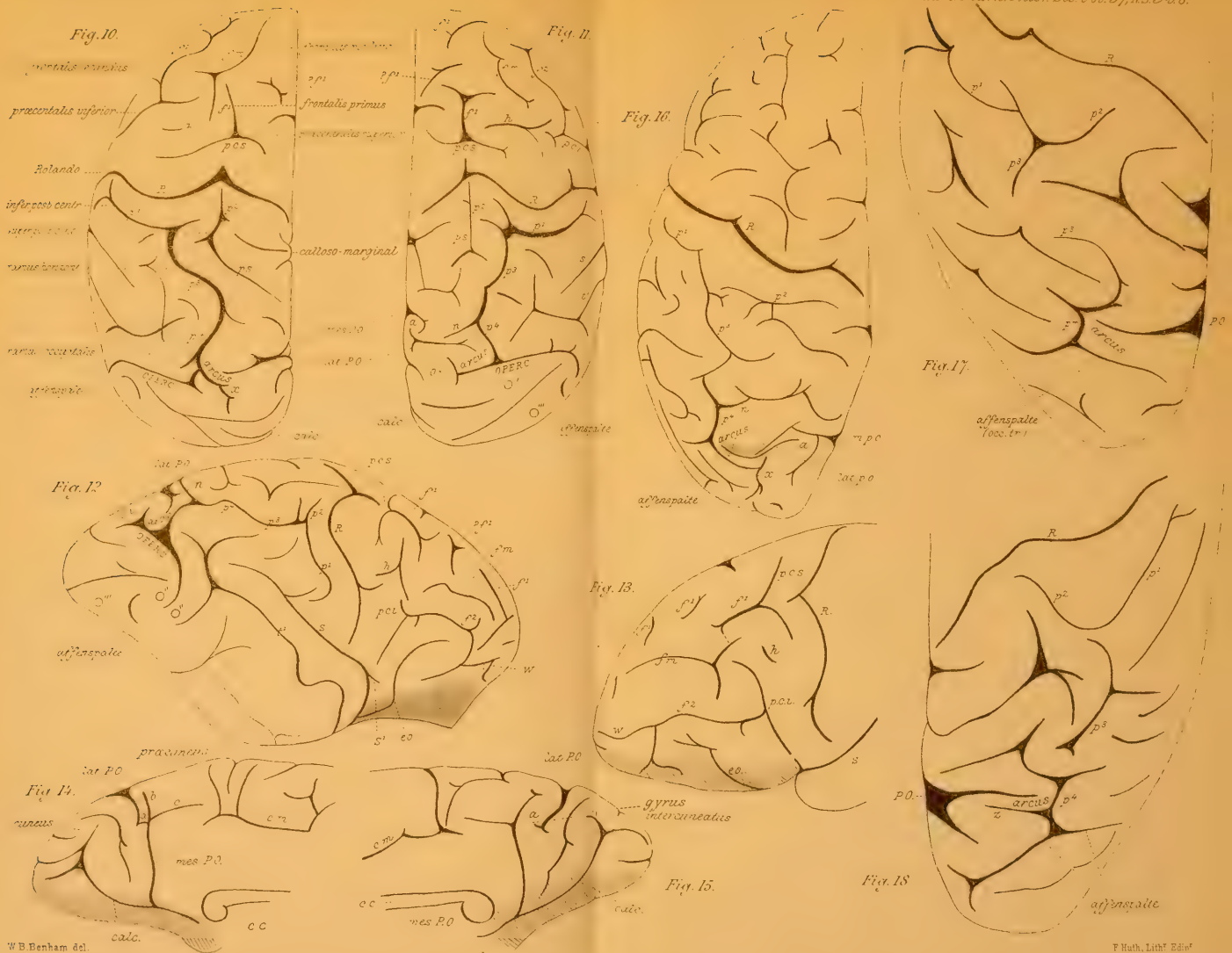


Fig. 19.

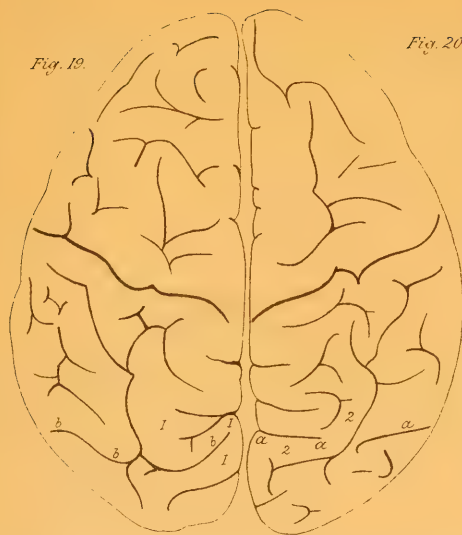


Fig. 20.

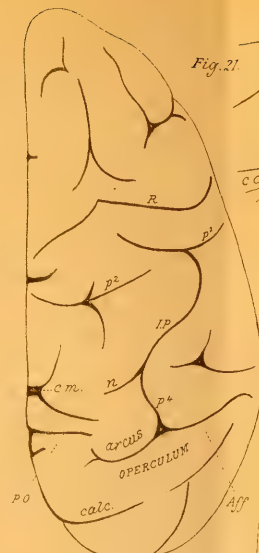


Fig. 21.

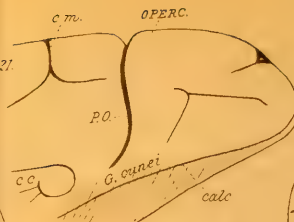


Fig. 22.

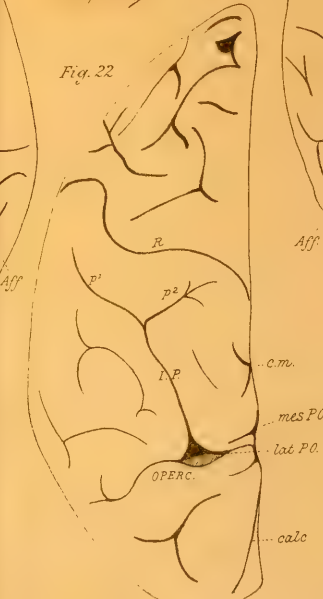


Fig. 25.

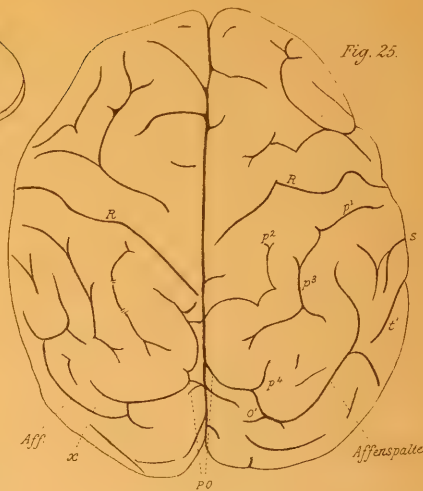


Fig. 26.

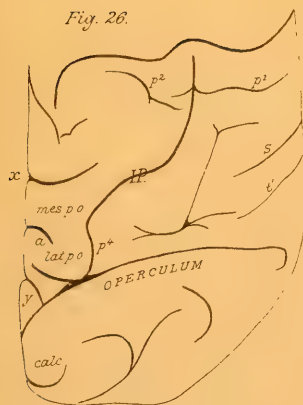


Fig. 28.

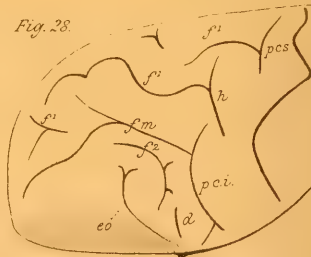


Fig. 27.

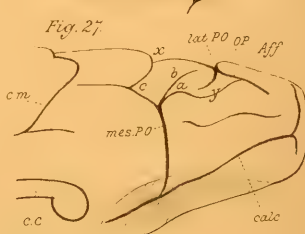


Fig. 23.

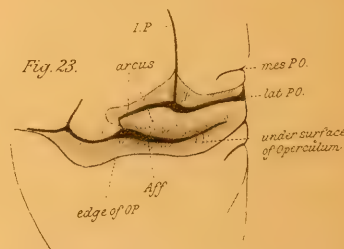


Fig. 29.

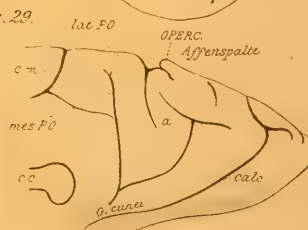


Fig. 24.

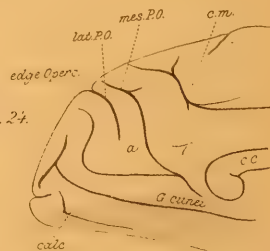


Fig. 33.

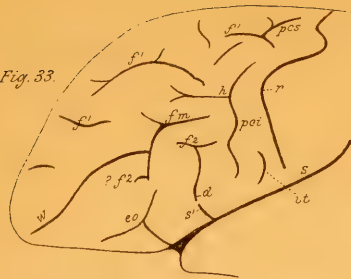


Fig. 30.

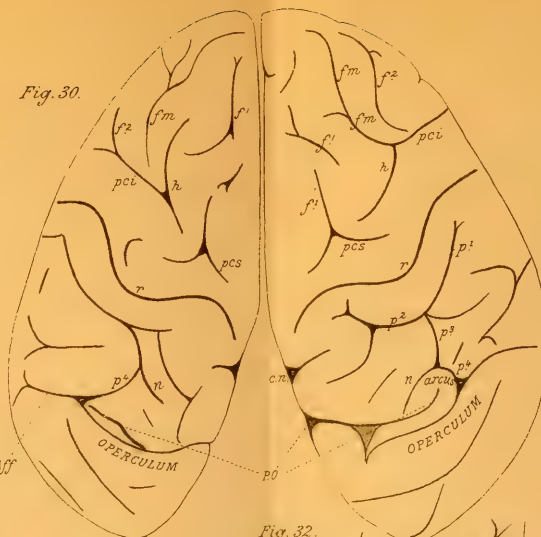


Fig. 34.

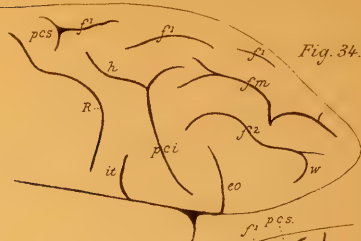


Fig. 35.



Fig. 38.

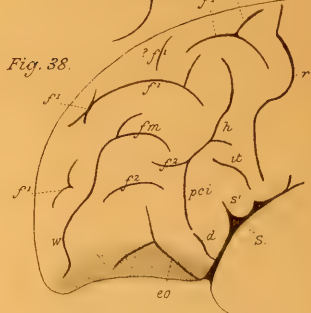


Fig. 36.

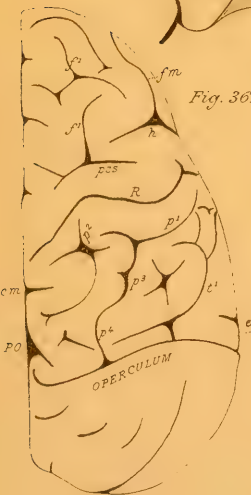


Fig. 32.

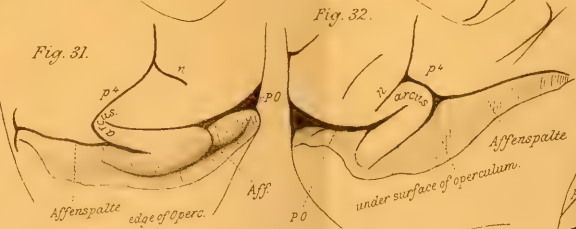


Fig. 37.

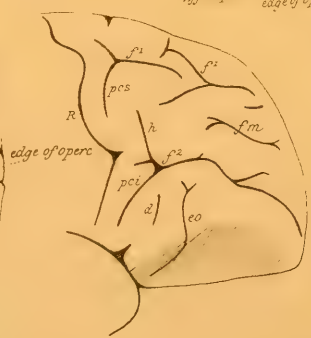


Fig. 39.



Fig. 40.



Fig. 41.

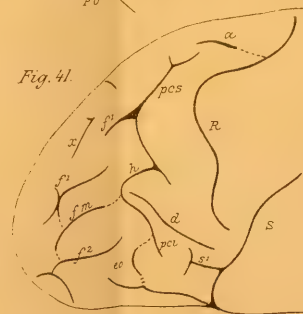


Fig. 42.

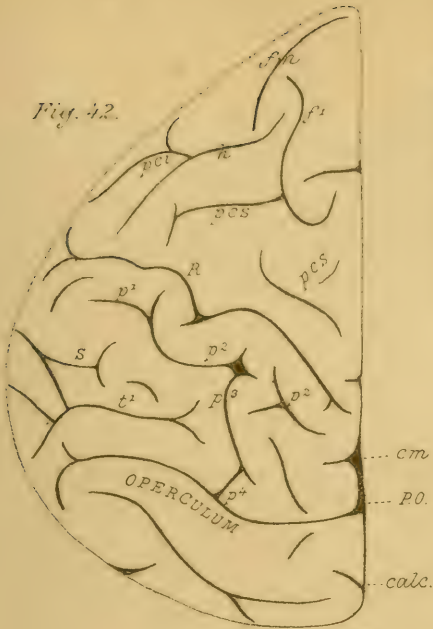


Fig. 43.

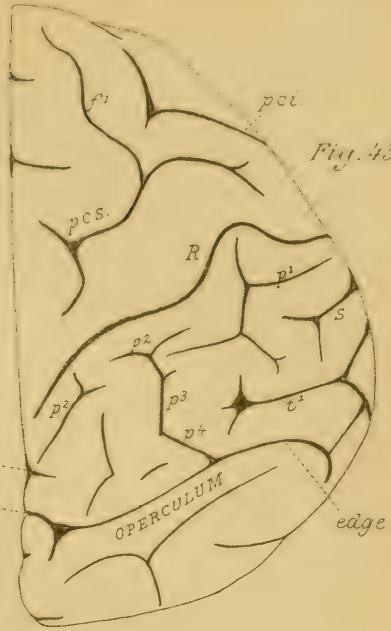


Fig. 44.

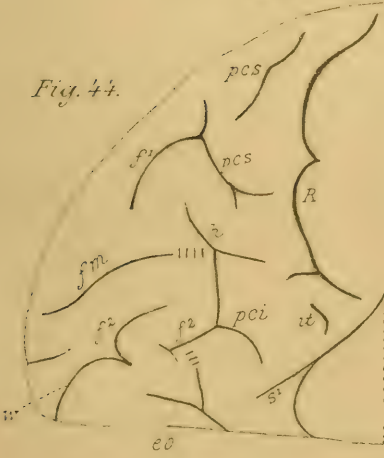


Fig. 45.

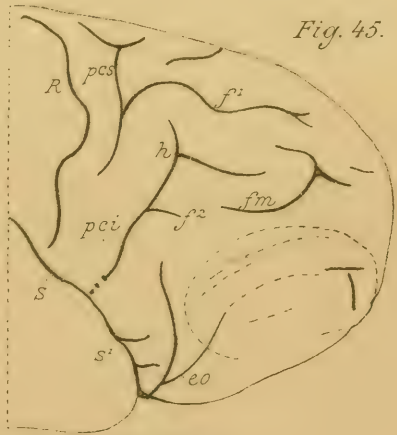


Fig. 46.



Fig. 1.

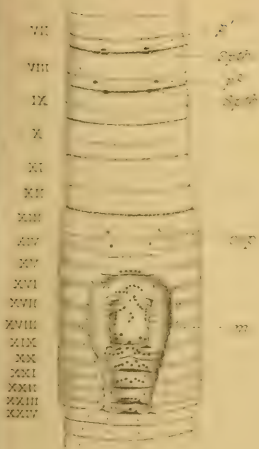


Fig. 2.

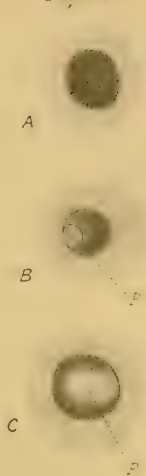


Fig. 6.

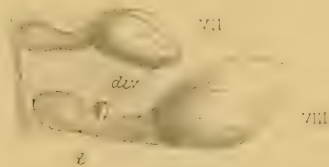


Fig. 3.

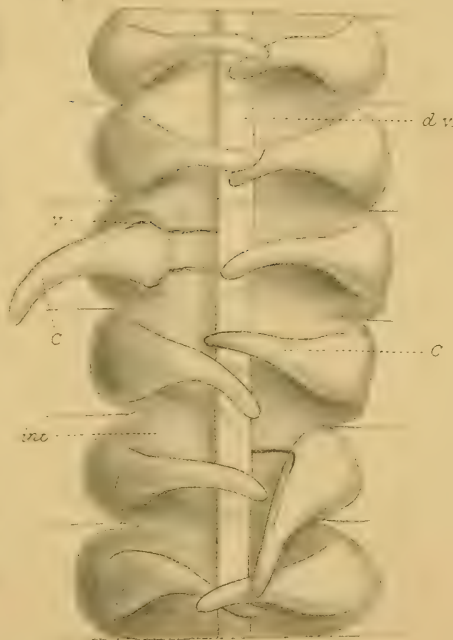


Fig. 4.

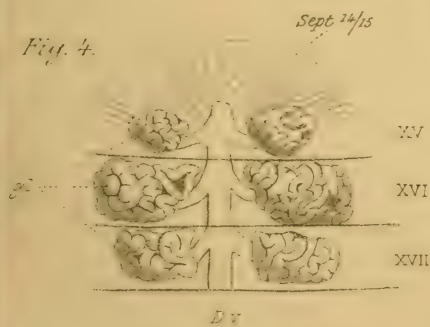


Fig. 9.

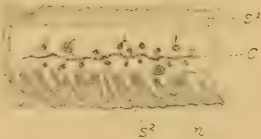


Fig. 7.

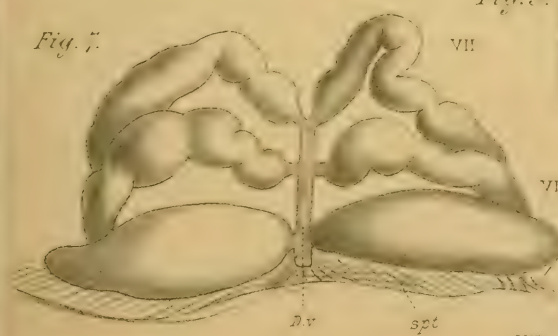


Fig. 5.

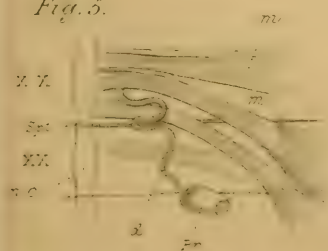


Fig. 8.

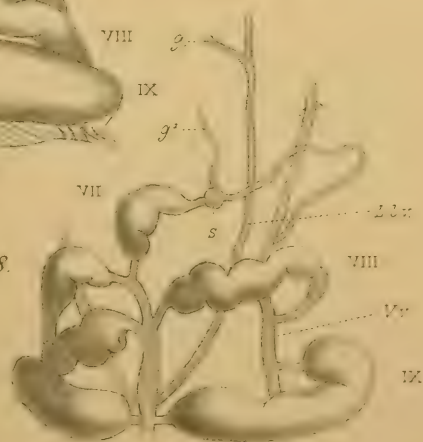


Fig. 1.



Fig. 2.



Fig. 3.

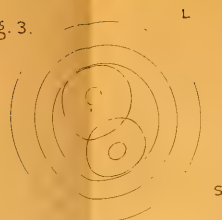


Fig. 4.



Fig. 5.

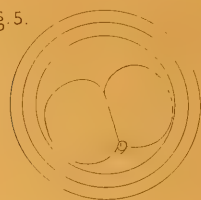


Fig. 6.

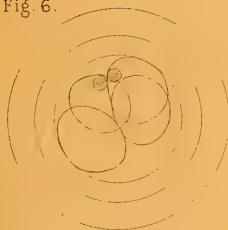


Fig. 7.

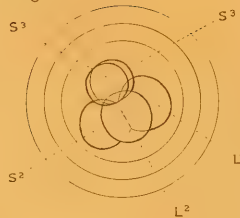


Fig. 8.

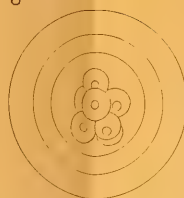


Fig. 9.

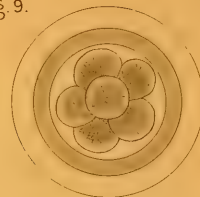


Fig. 10.

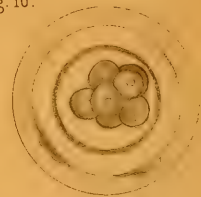


Fig. 11.

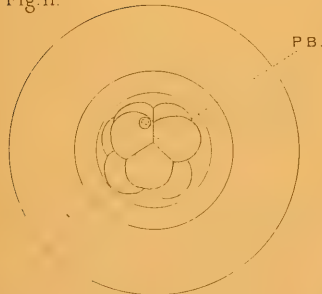


Fig. 12.

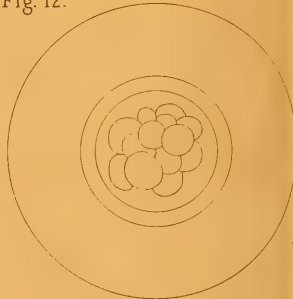


Fig. 13.



Fig. 14.

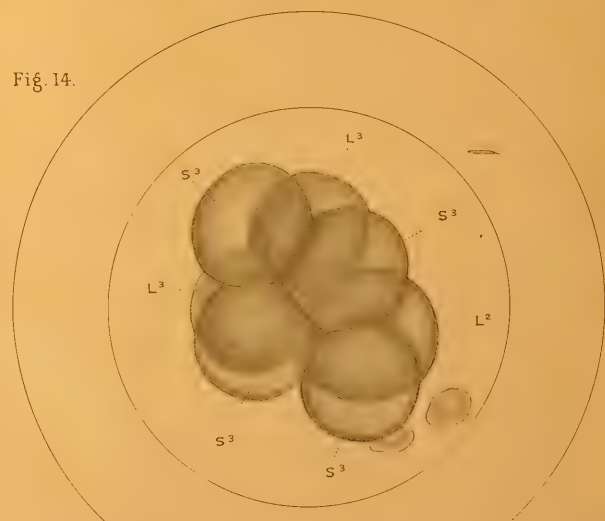


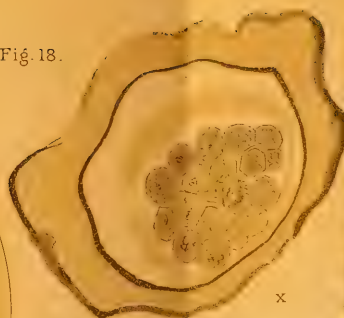
Fig. 15.

ALB



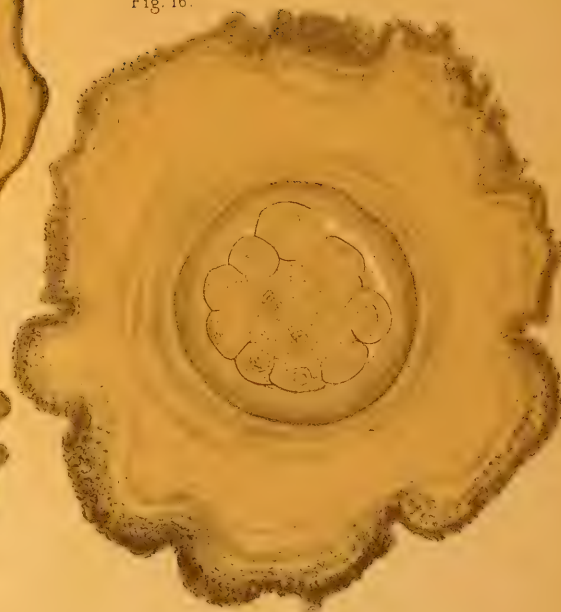
Z

Fig. 18.



X

Fig. 16.



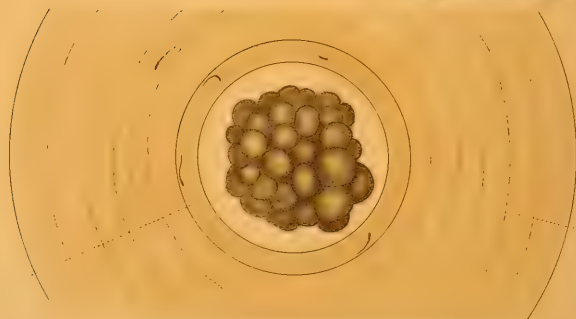
X

Fig. 19.



X'

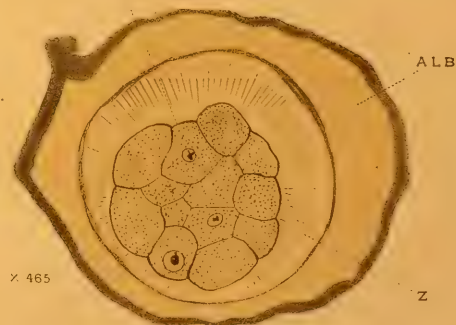
Fig. 17.



Z

ALB

Fig. 20.



ALB

X 465

Z

Fig. 21.



Fig. 23.
X 465

ALB



Fig. 22.

Z



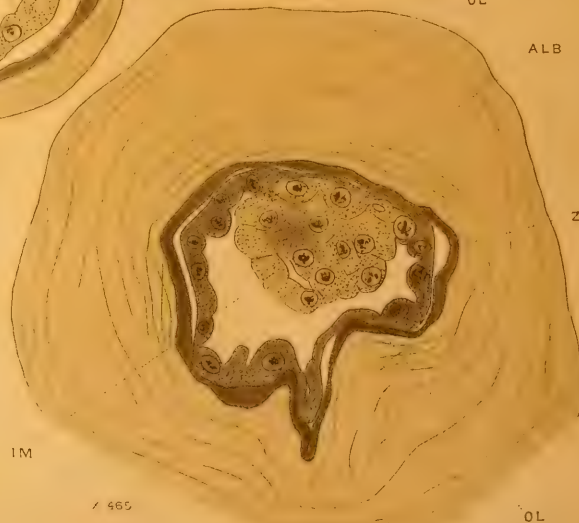
OL

ALB

IM

Z

Fig. 24.



IM

OL

Fig. 25.

ALB

Z



Fig. 26.



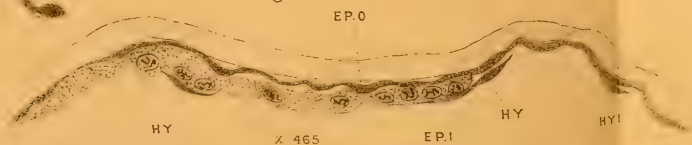
Fig. 27.



Fig. 28.



Fig. 29.



ALB

Z

ALB

Fig. 30.

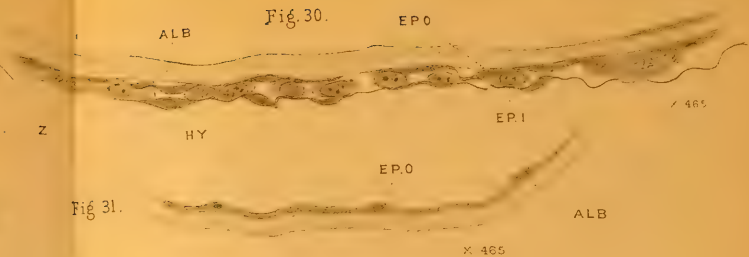


Fig. 31.



Fig. 32.

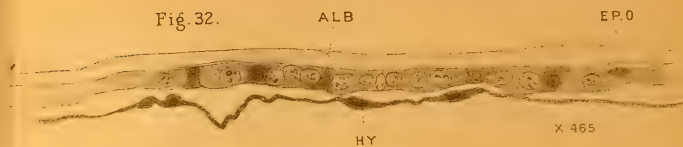


Fig. 33.



Fig. 34.



Fig. 35.

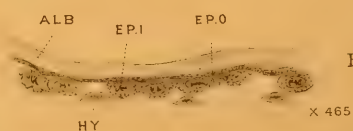


Fig. 36.

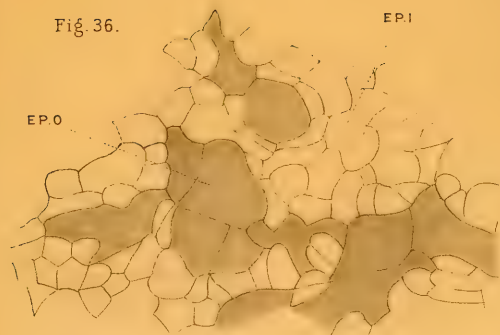


Fig. 37.

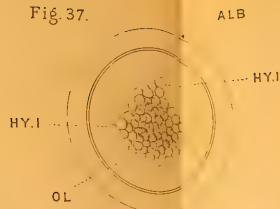


Fig. 38.

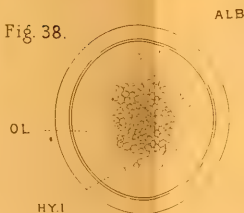


Fig. 39.

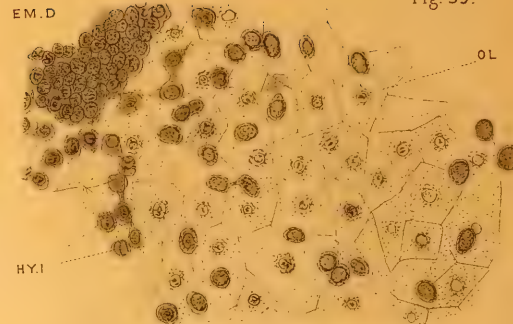
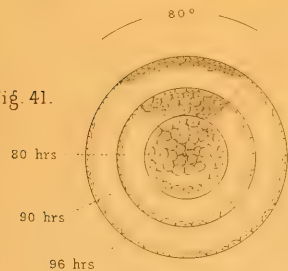
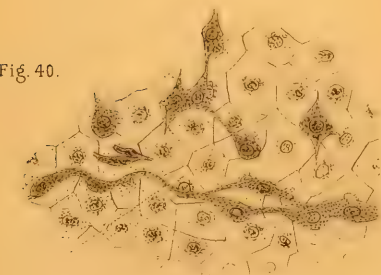


Fig. 41.



Area of most rapid growth of epiblast.
— trager?

Fig. 40.



Area of rapid growth since 160th hour
— Primitive Streak

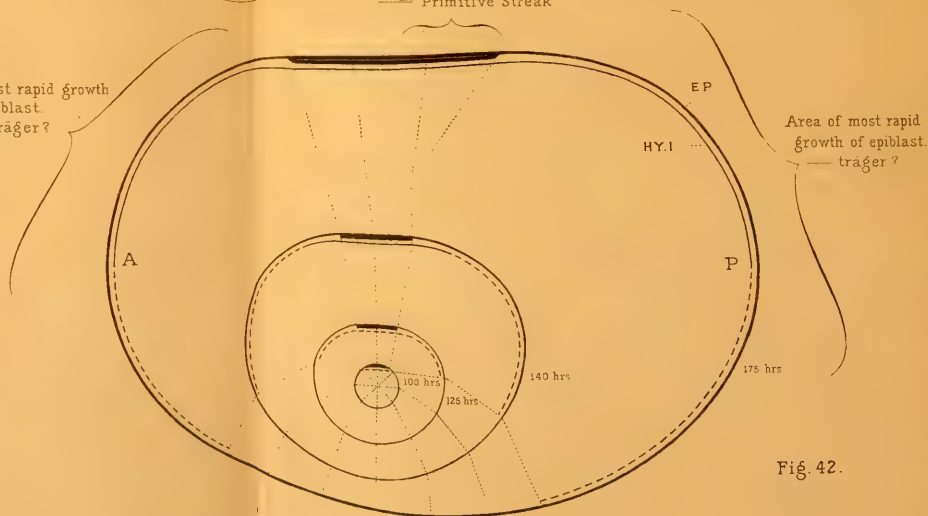


Fig. 42.

Fig. 1.

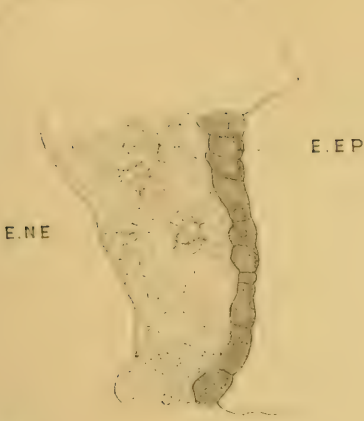


Fig. 3.

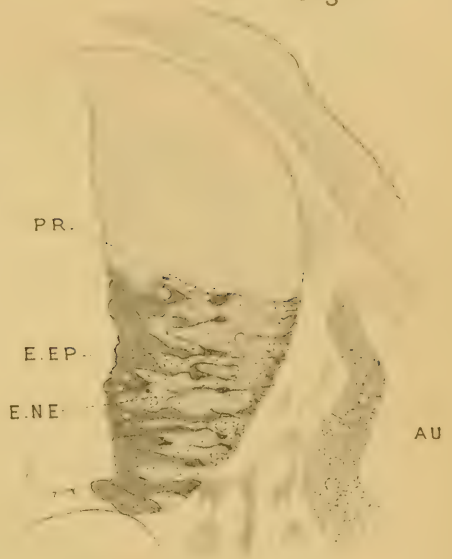


Fig. 2.



Fig. 5.

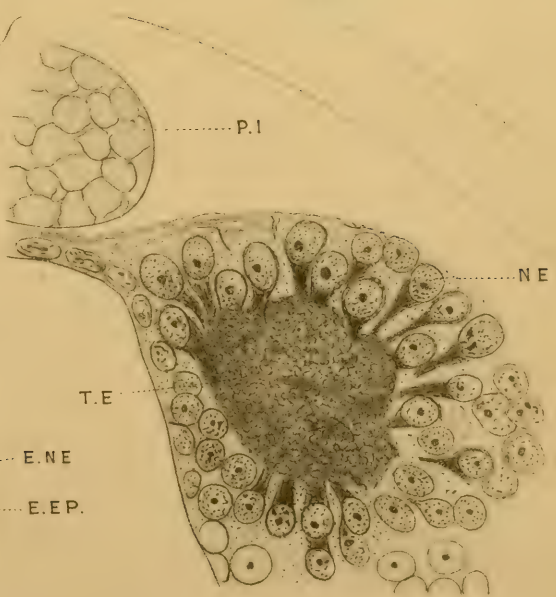


Fig. 4.

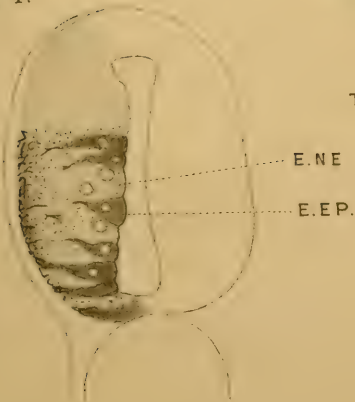


Fig. 1.

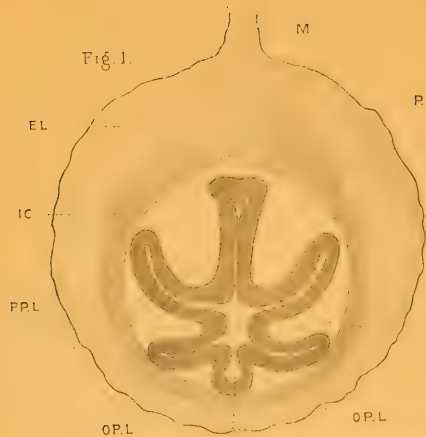
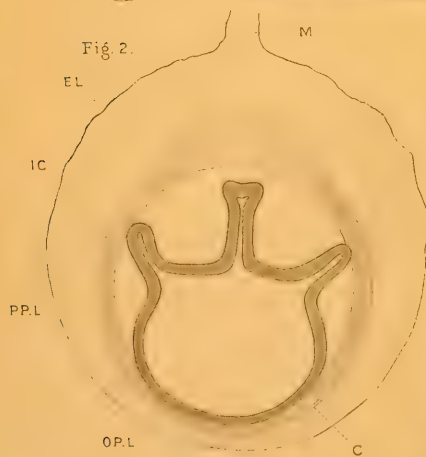


Fig. 4.



Fig. 2.



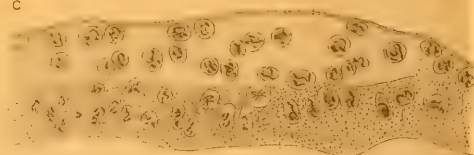
Ric. Assheton del.

PL

Fig. 6.



Fig. 11. EC



EP

Fig. 3.

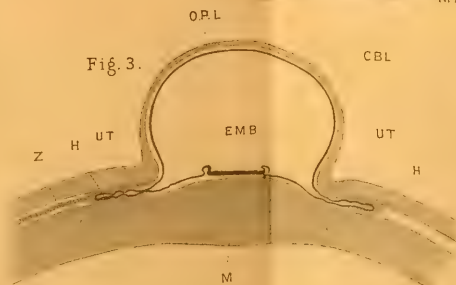


Fig. 5.



Fig. 7.



Fig. 8.

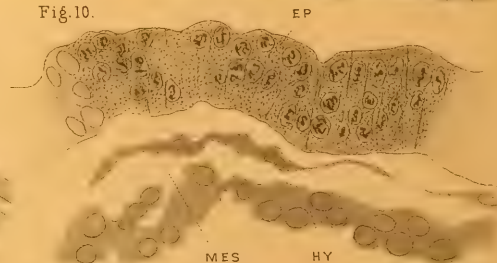


Fig. 9.



CBL

Fig. 10.



F. Rath, Lith. Edin.

Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.



Fig. 4A.



Fig. 18.

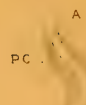


Fig. 28.

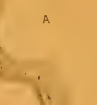


Fig. 17.



Fig. 5.



Fig. 6.



Fig. 7.



Fig. 11.



Fig. 12.



Fig. 8.



Fig. 9.



Fig. 10.

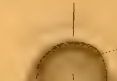
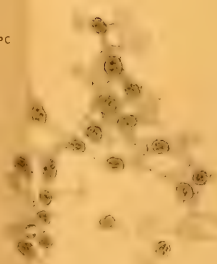


Fig. 39.



HY
MES

x 100

x 72

x 54

Fig. 13.



Fig. 13 A.



Fig. 14.



Fig. 15.

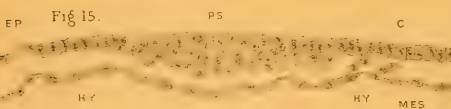


Fig. 16.

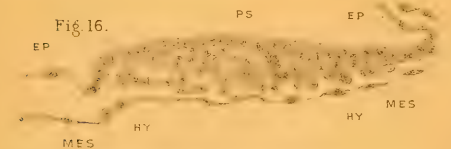


Fig. 19.



Fig. 20.

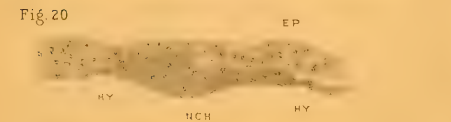


Fig. 21.

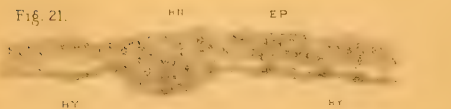


Fig. 22.

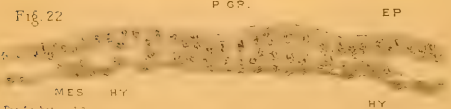


Fig. 23.

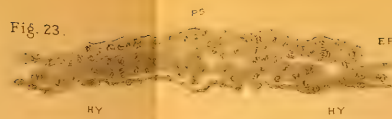


Fig. 24.

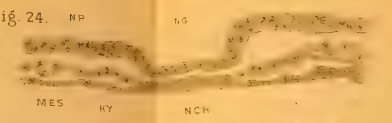


Fig. 25.

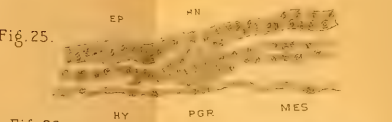


Fig. 26.

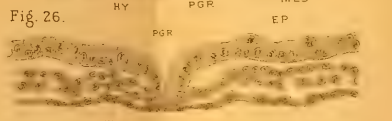


Fig. 27.



Fig. 29.

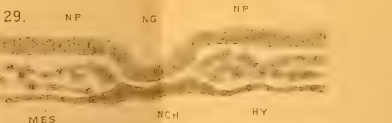


Fig. 30.

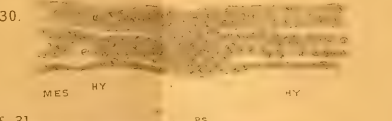


Fig. 31.



Fig. 32.

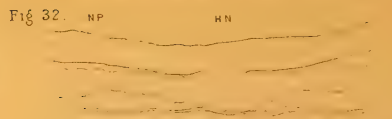


Fig. 33.

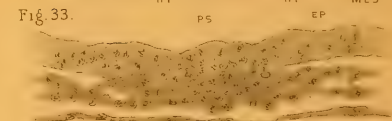


Fig. 34.



Fig. 35.

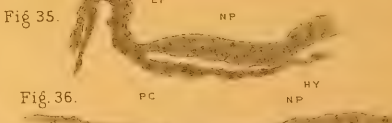


Fig. 36.

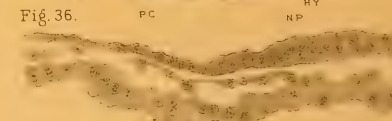


Fig. 37.

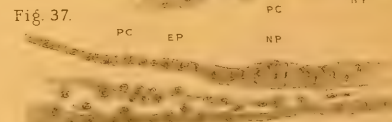


Fig. 38.

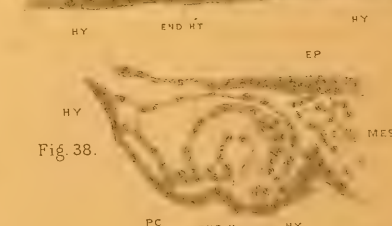


Fig. 40.

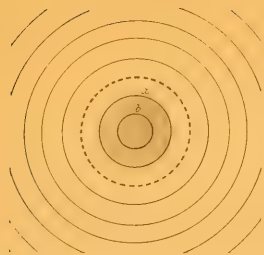


Fig. 41.

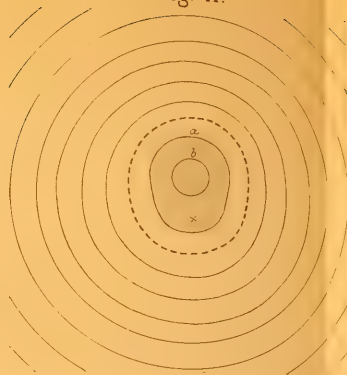


Fig. 44.

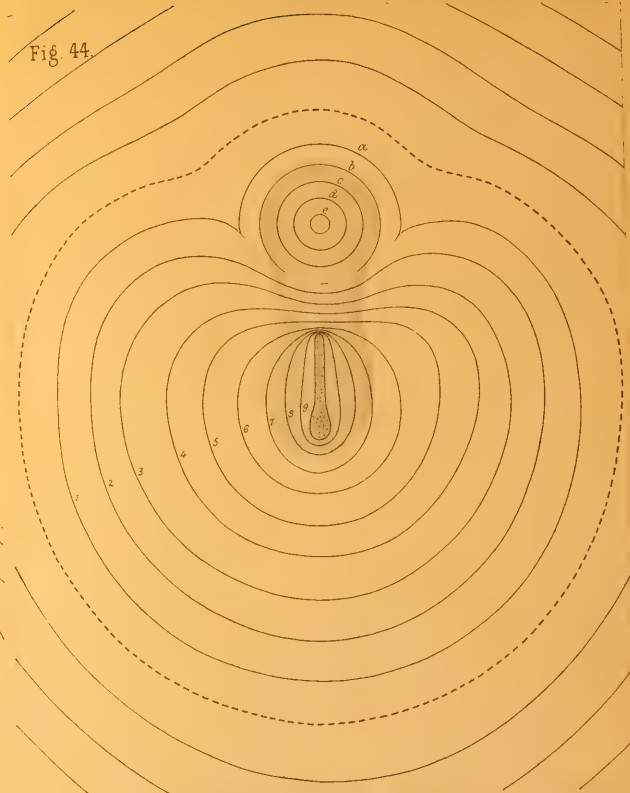


Fig. 42.

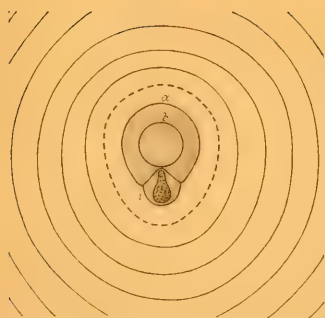


Fig. 43.

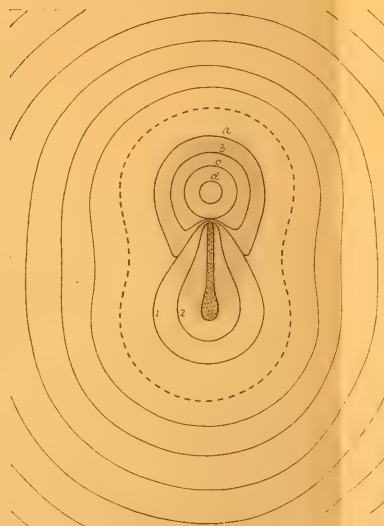


Fig. 45.

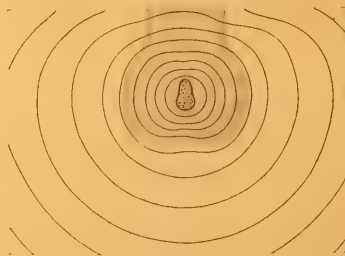


Fig. 1a



1b



1c



1d



Fig. 2a



2b



2c



2d



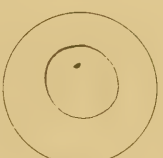
Fig. 3a



3b



3c



3d



3e



3f



3g



Fig. 4a



4b



Fig. 5a



5b



EXO

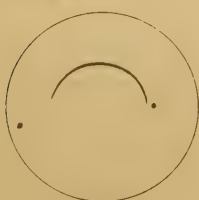
5c



5d



Fig. 6a



6b

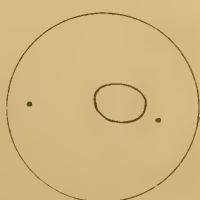


Fig. 7.

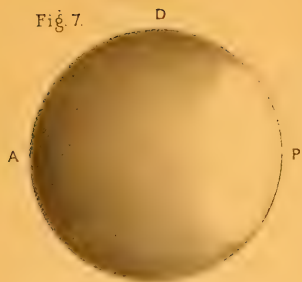


Fig. 8.

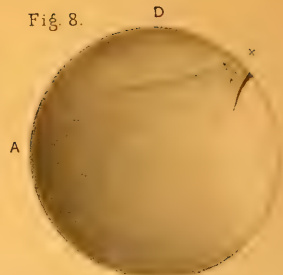


Fig. 9.

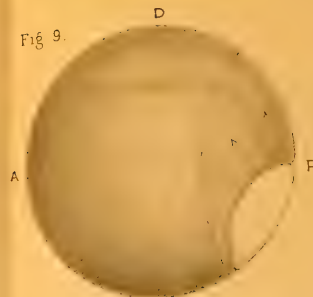


Fig. 10.

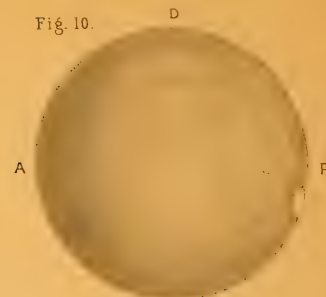


Fig. 12.

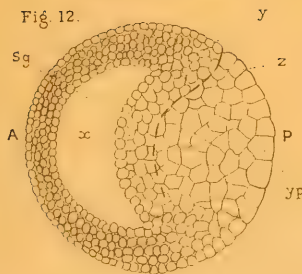


Fig. 13.

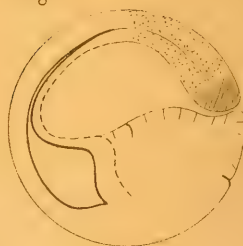


Fig. 15.

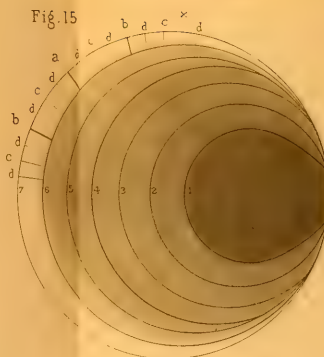


Fig. 11.

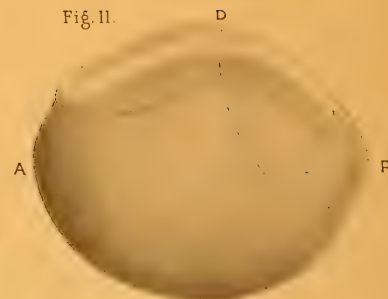


Fig. 21.



Fig. 16.

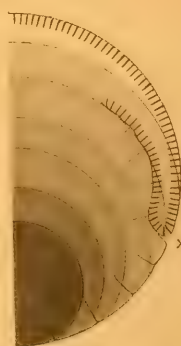


Fig. 14.

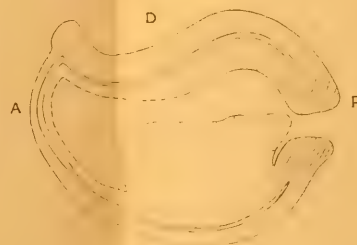


Fig. 17.

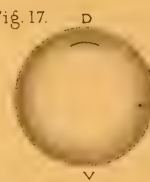


Fig. 18.

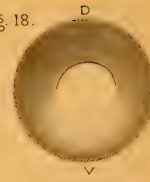


Fig. 19.



Fig. 20.

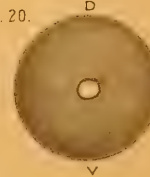


Fig. 1.

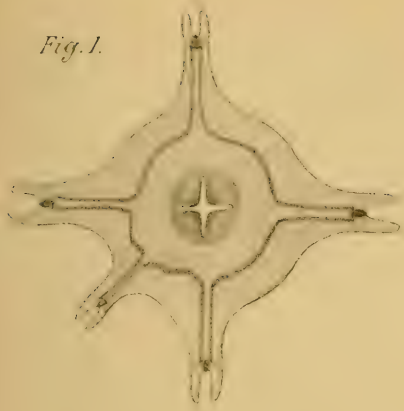


Fig. 2.



Fig. 3.

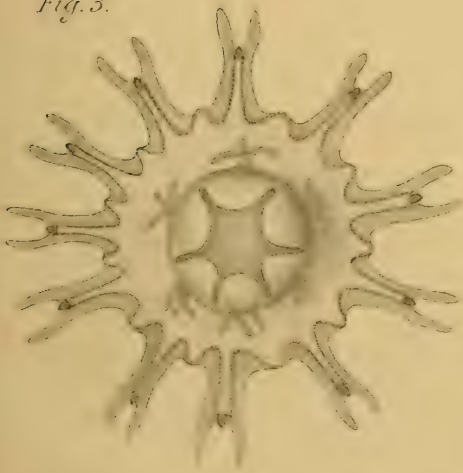


Fig. 4.



Fig. 5.



Fig. 6.

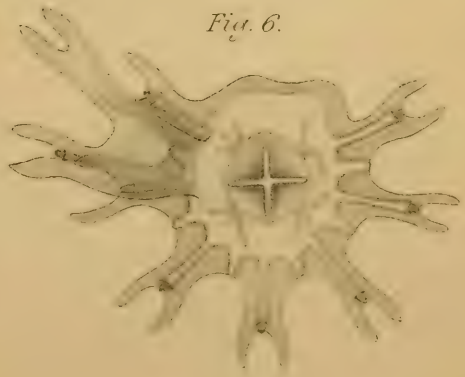
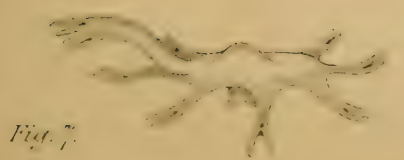


Fig. 7.



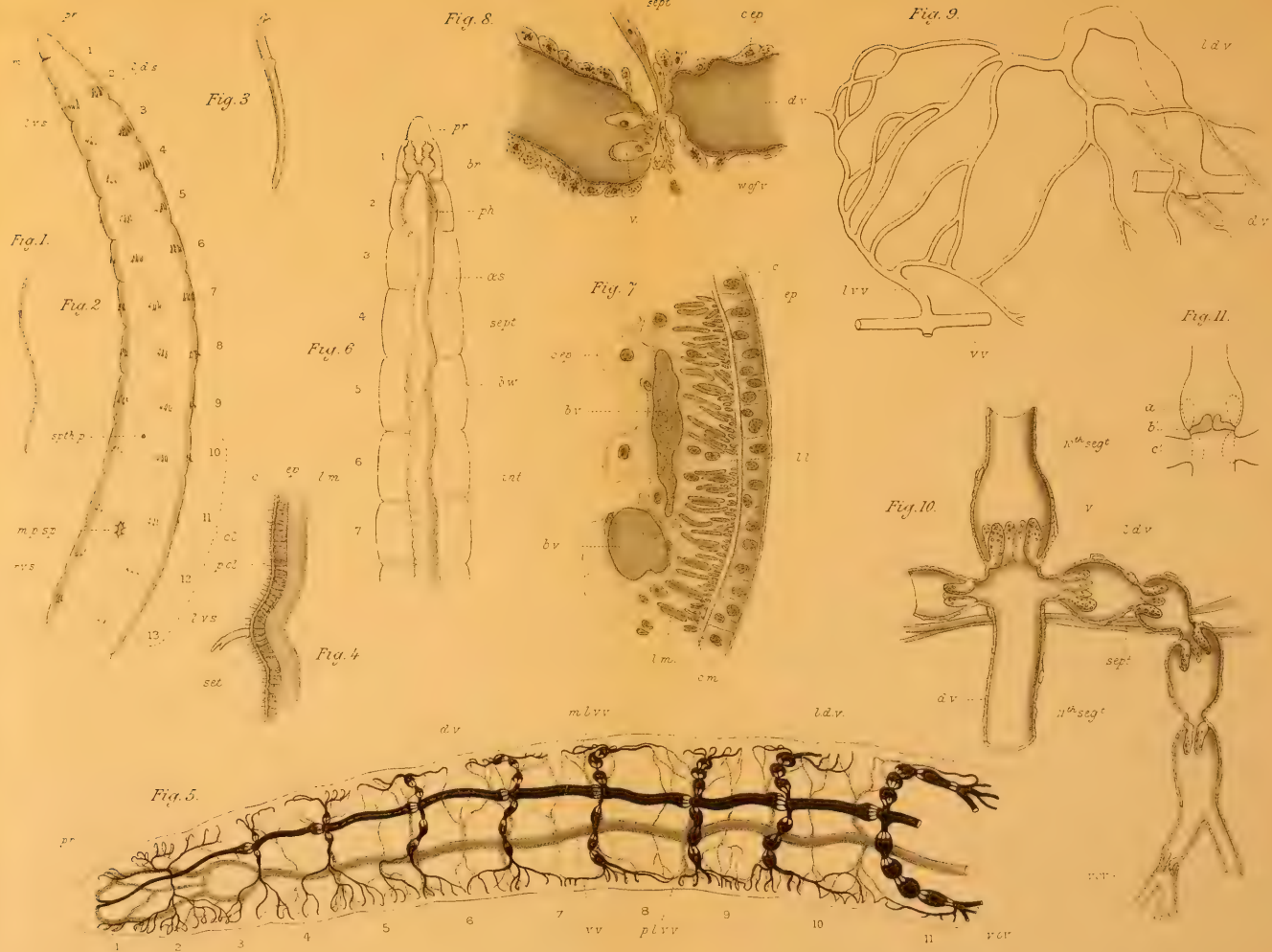


Fig. 12.



Fig. 14



Fig. 15

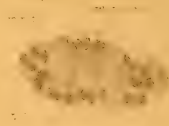


Fig. 16

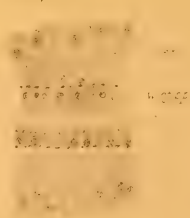


Fig. 17



Fig. 18

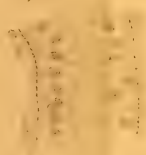


Fig. 19



Fig. 13

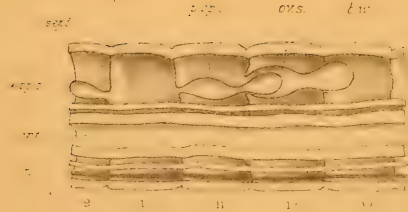


Fig. 20

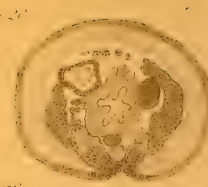


Fig. 21

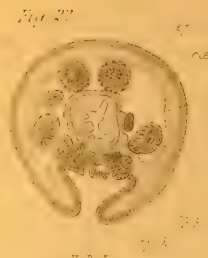


Fig. 22



Fig. 23

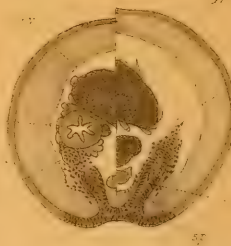
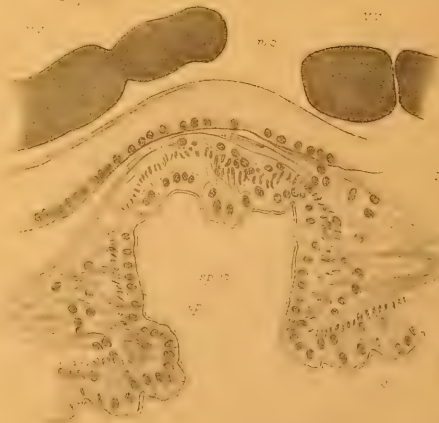


Fig. 24



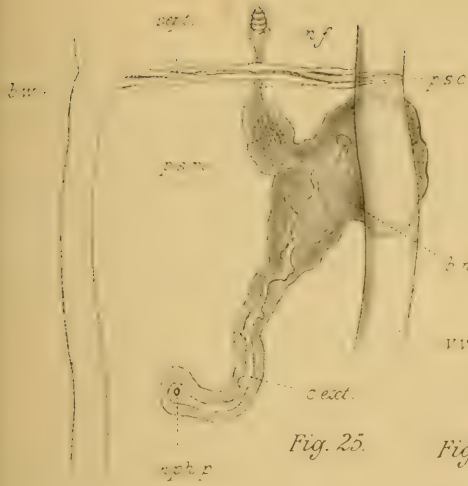


Fig. 25.



Fig. 26.

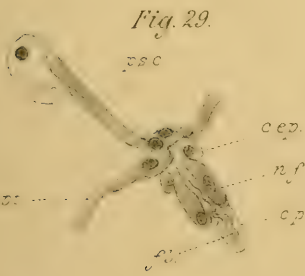


Fig. 29.



Fig. 27.

Fig. 28.

Fig. 30.

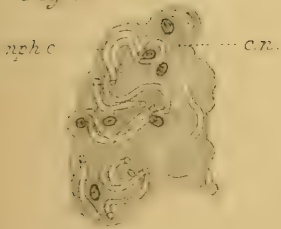
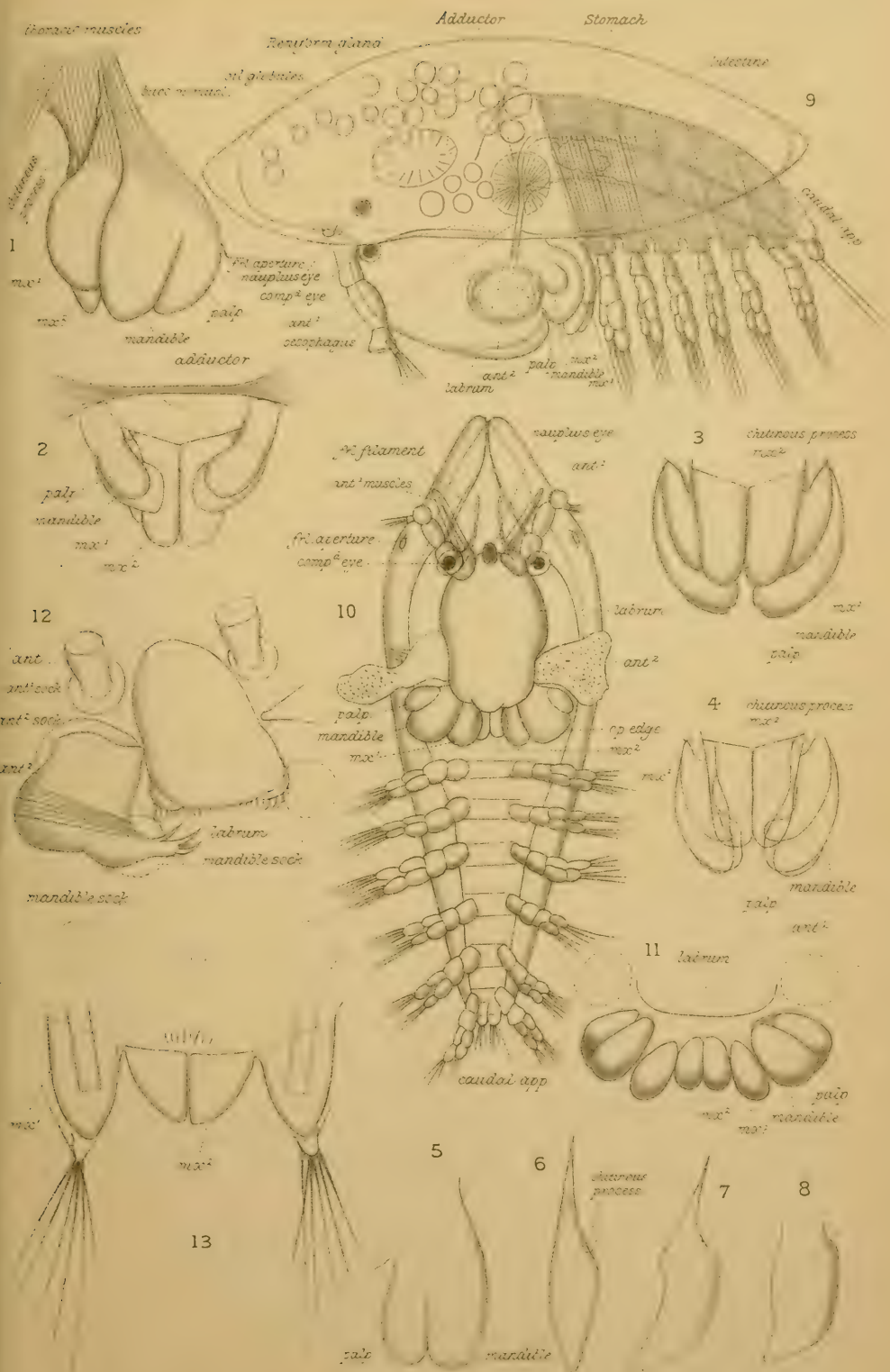


Fig. 31.



Fig. 32.







1



2



3.



4



5



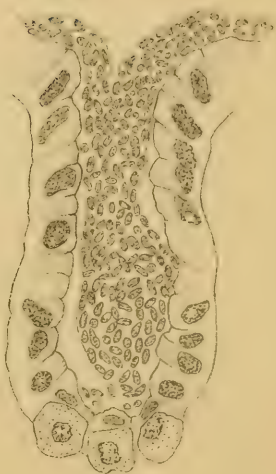
6



8



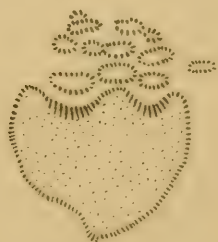
9



7



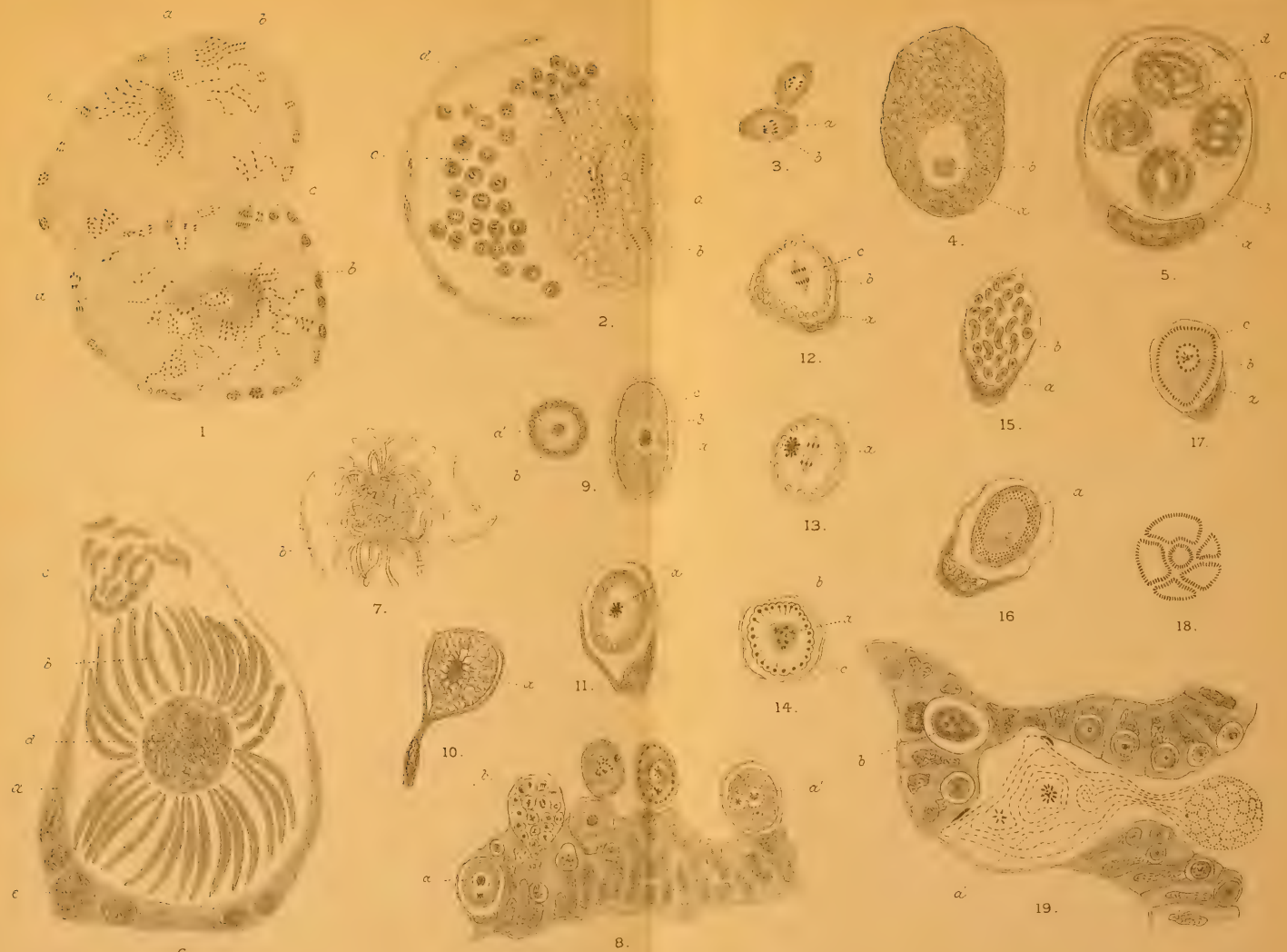
10



12



11







21.

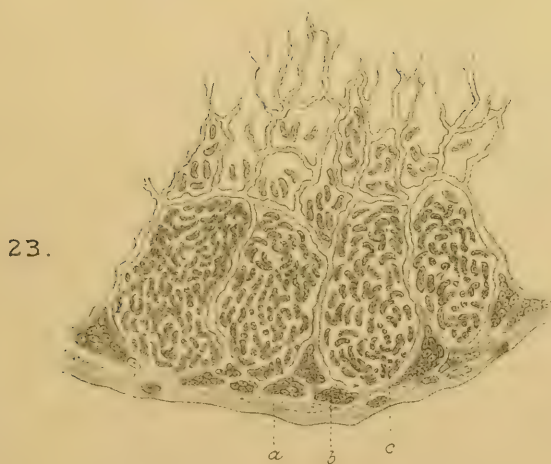


Fig. 1.

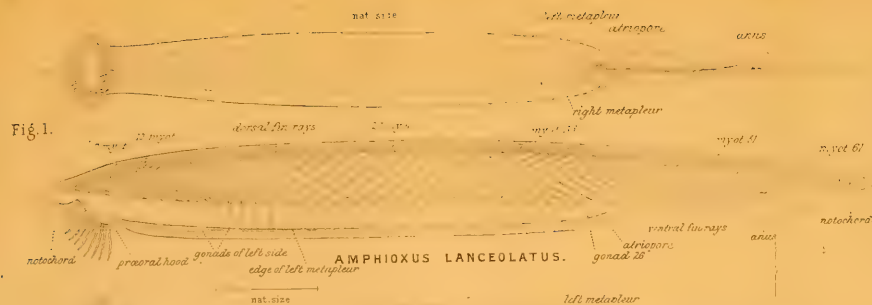


Fig. 2.



Fig. 3.

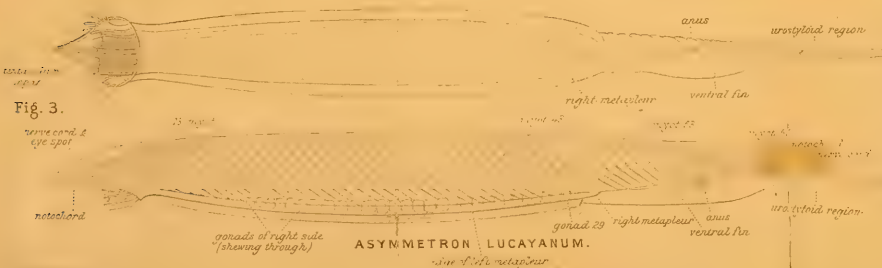


Fig. 4.



Fig. 5.

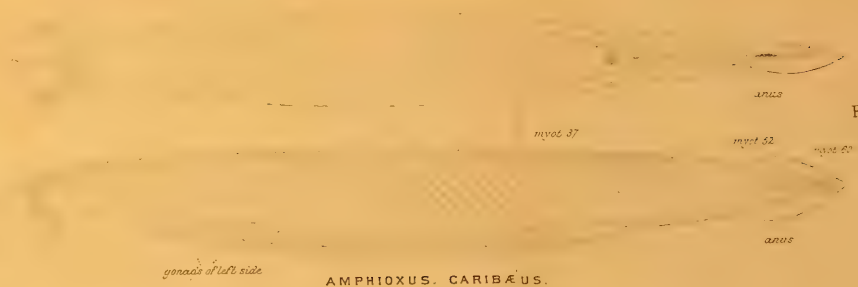
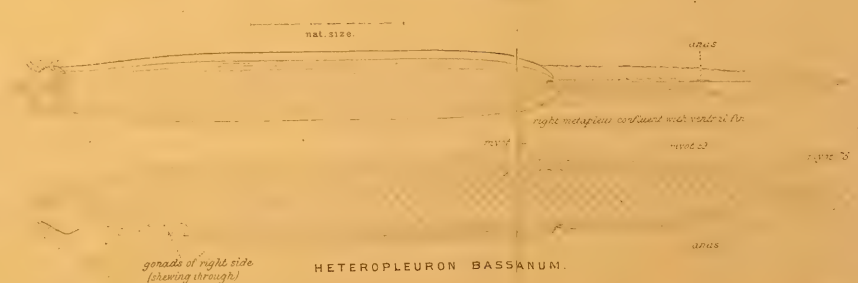


Fig. 6.



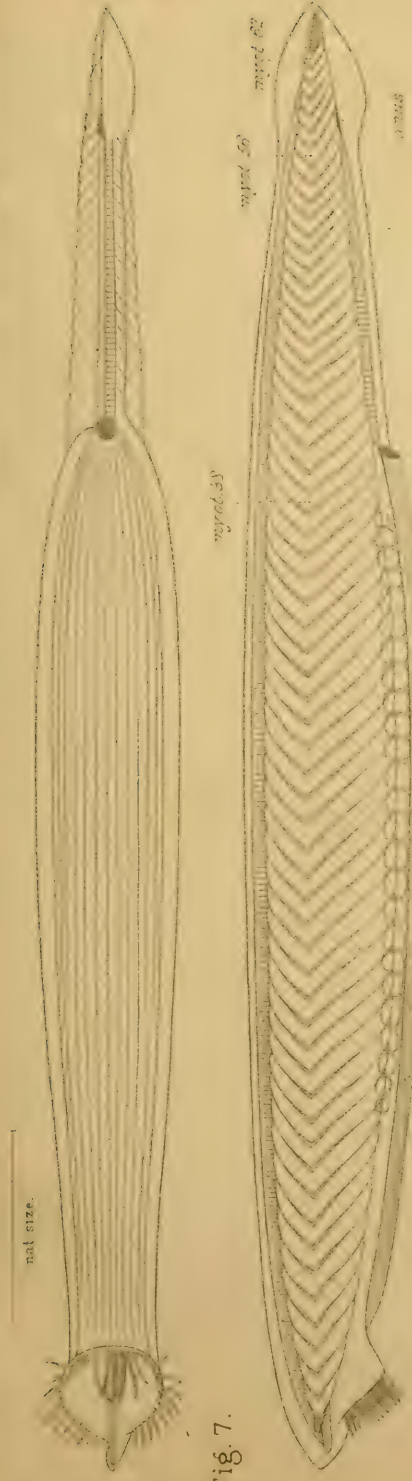


Fig. 7.

HETEROPLEURON CINGALESE.

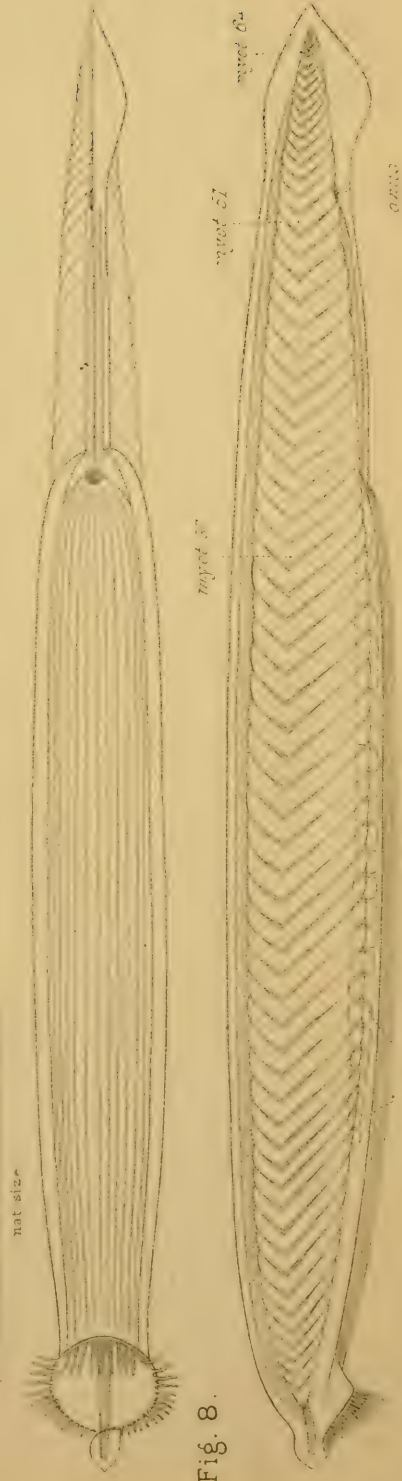


Fig. 8.

AMPHIOXUS BELCHERI.



Fig. 1.

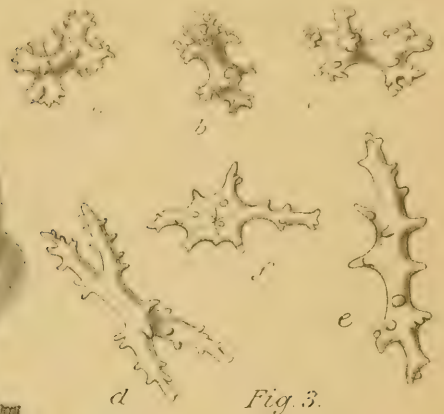


Fig. 3.

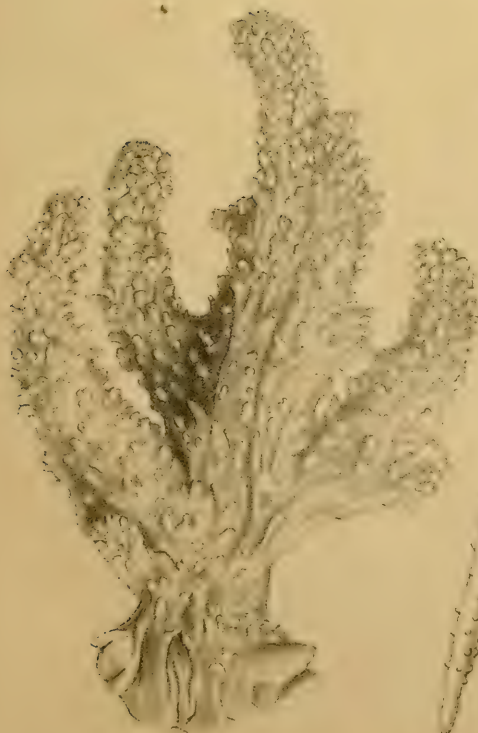


Fig. 2.

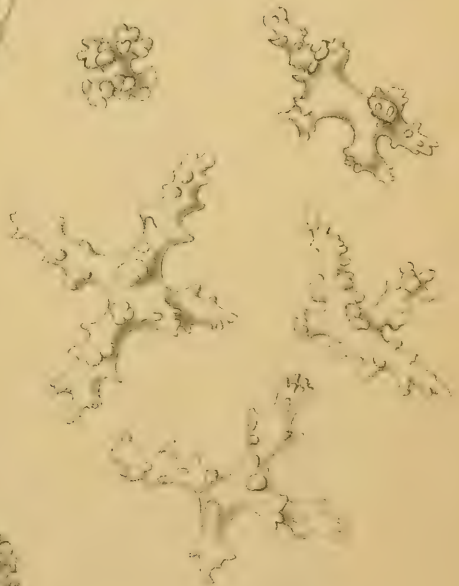


Fig. 4.

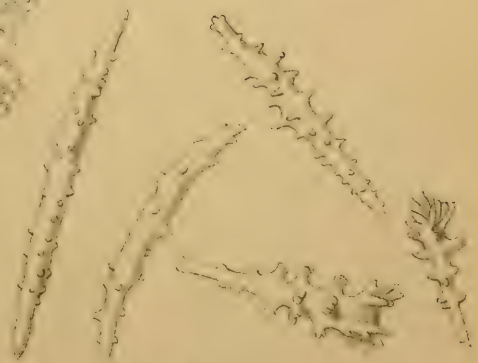


Fig. 5.

Fig. 10.



Fig. 11.



Fig. 8.



Fig. 9.

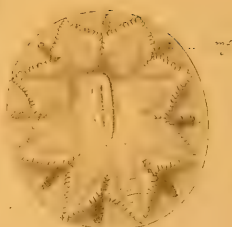


Fig. 7.



Fig. 12.

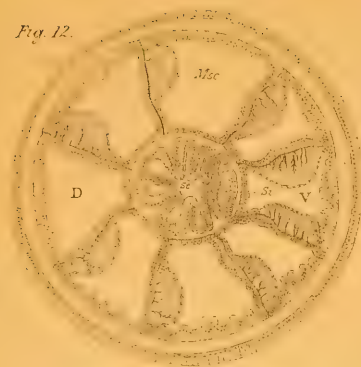


Fig. 14.

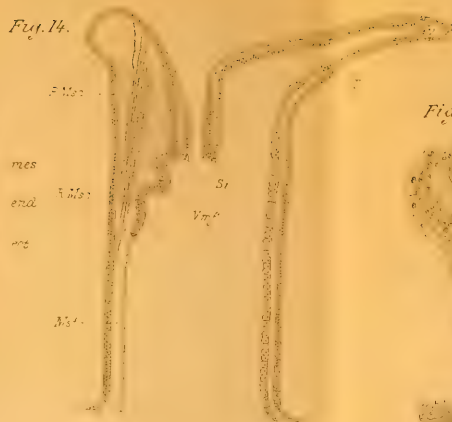


Fig. 15.



Fig. 16.



Fig. 20.



Fig. 13.



Fig. 21.



Fig. 22.



Fig. 17.



Fig. 23.



Fig. 18.



Fig. 19.

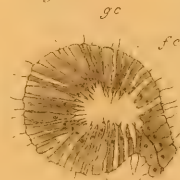


Fig. 24.

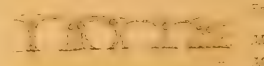
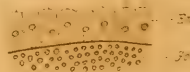


Fig. 25.



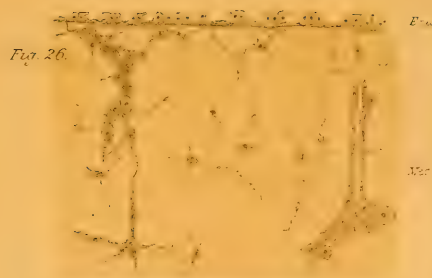


Fig. 26.



Fig. 27.



Fig. 28.



Fig. 29.

Fig. 31. Fig. 32.

Fig. 30.

Fig. 40.

Fig. 41.

Fig. 43.

Fig. 33.



Fig. 34.

Fig. 38.

Fig. 39.

Fig. 42.

Fig. 36.

Fig. 37.

Fig. 45.

Fig. 44.

Fig. 47.

Fig. 35.

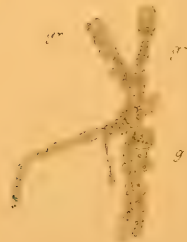
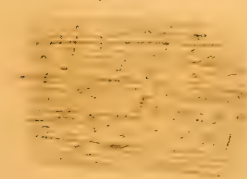
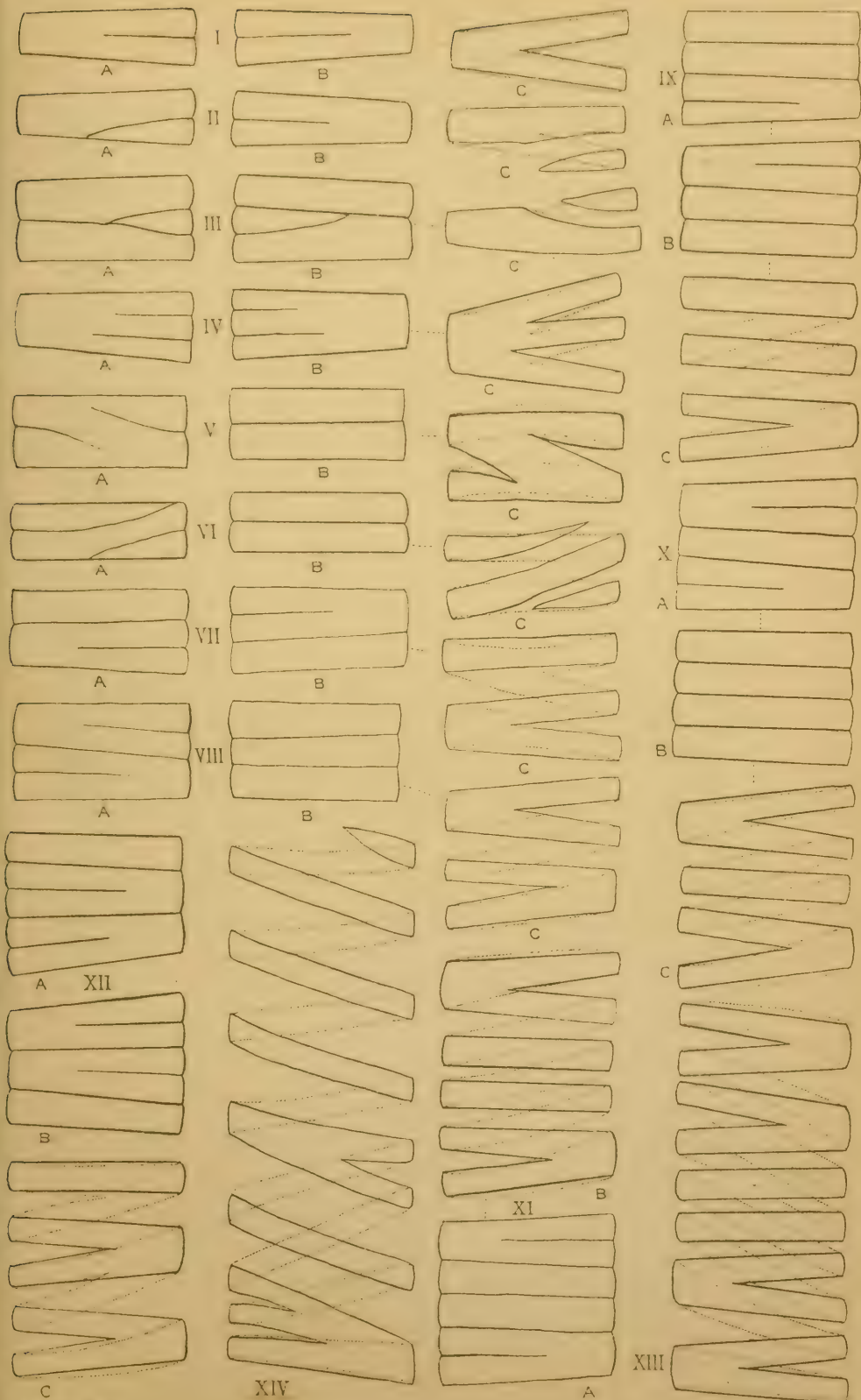


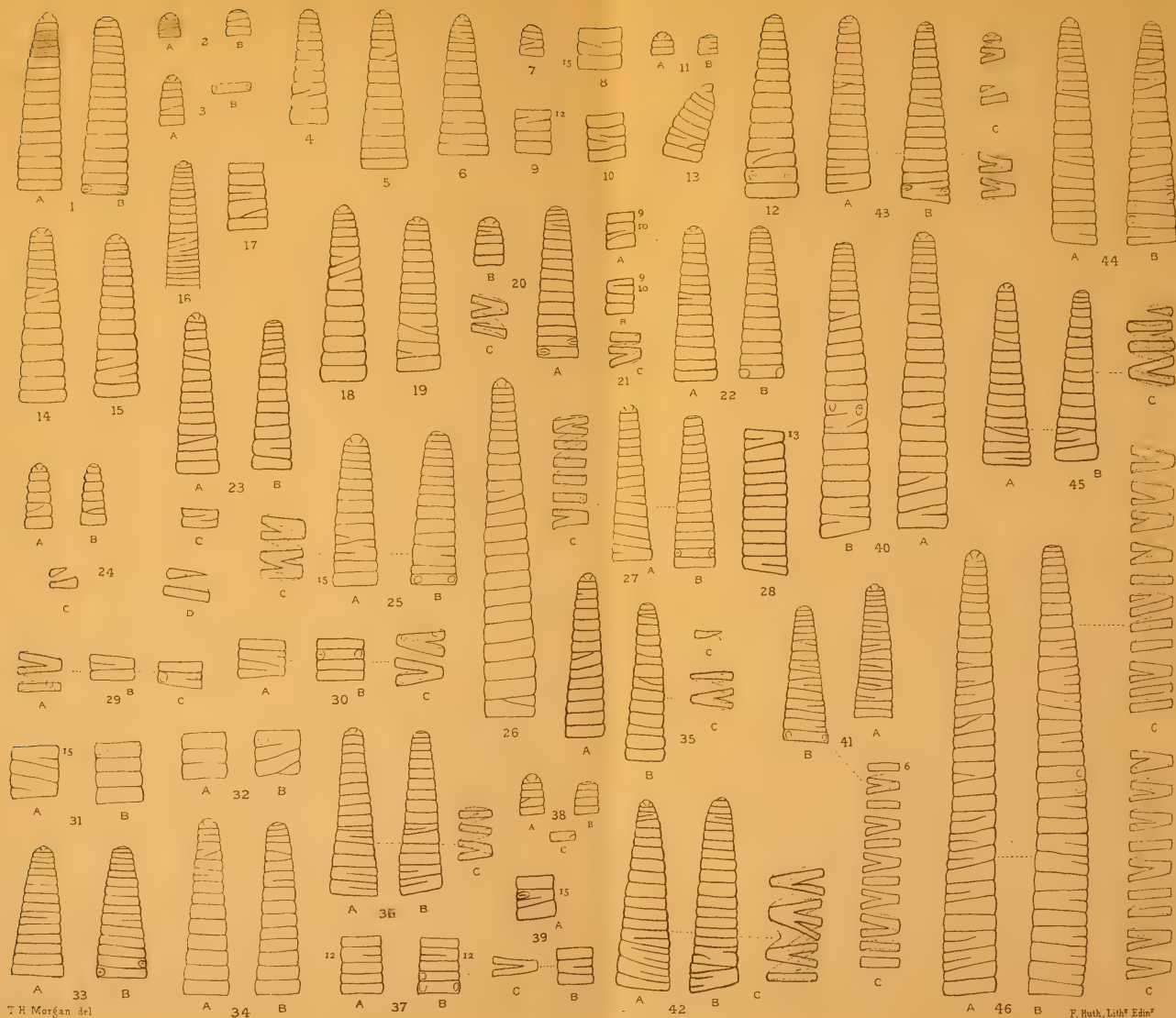
Fig. 46.

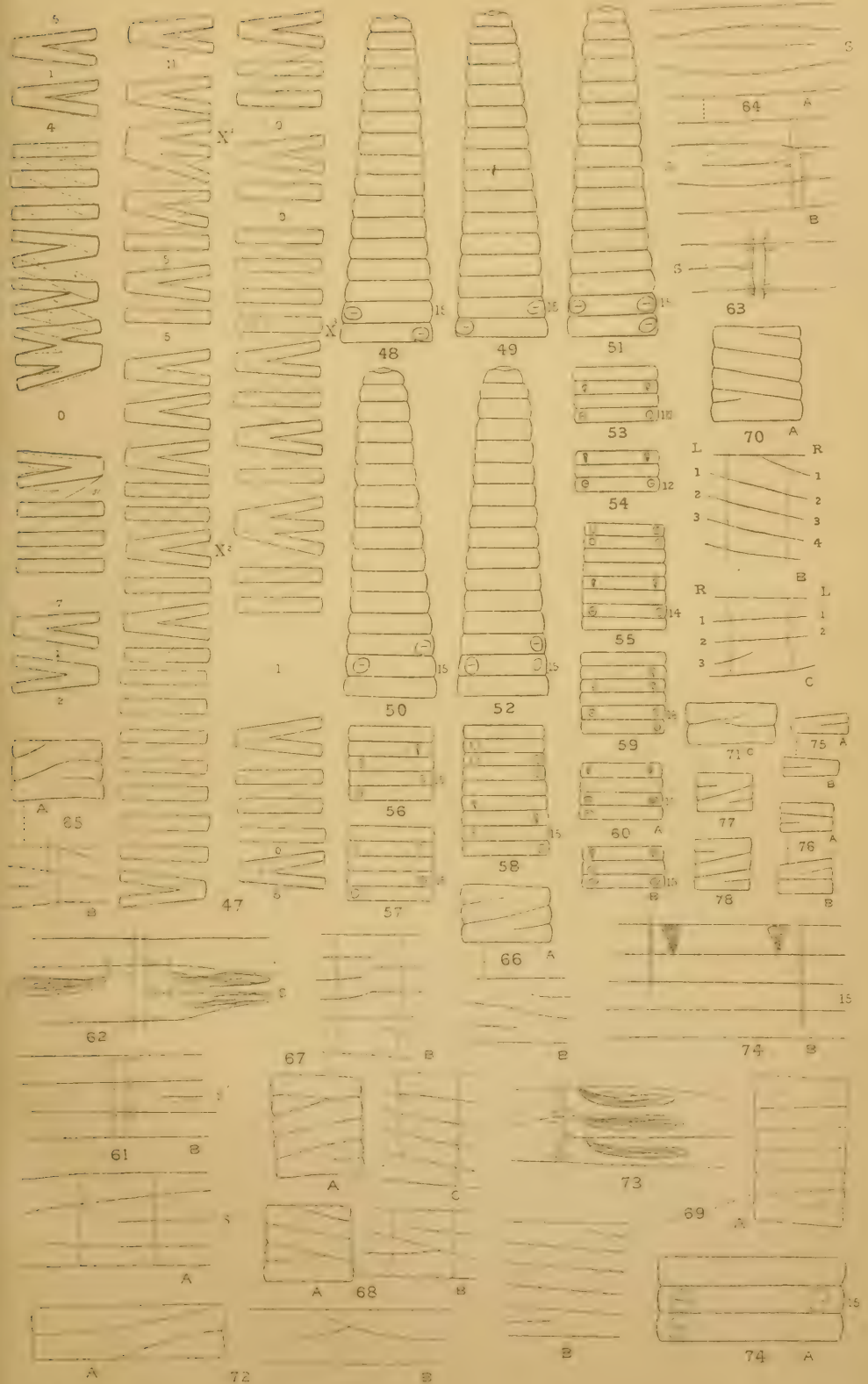


Fig. 48.

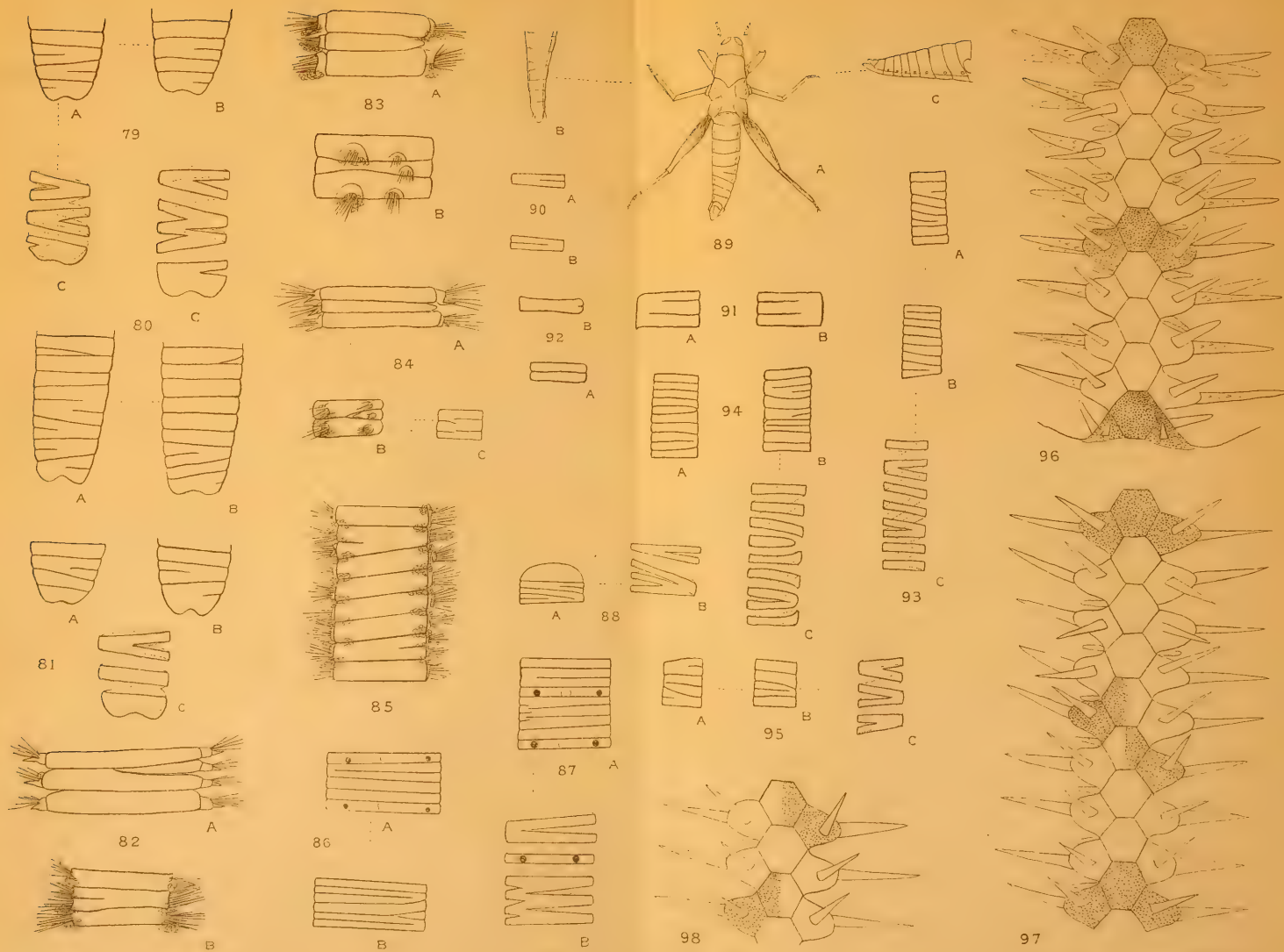












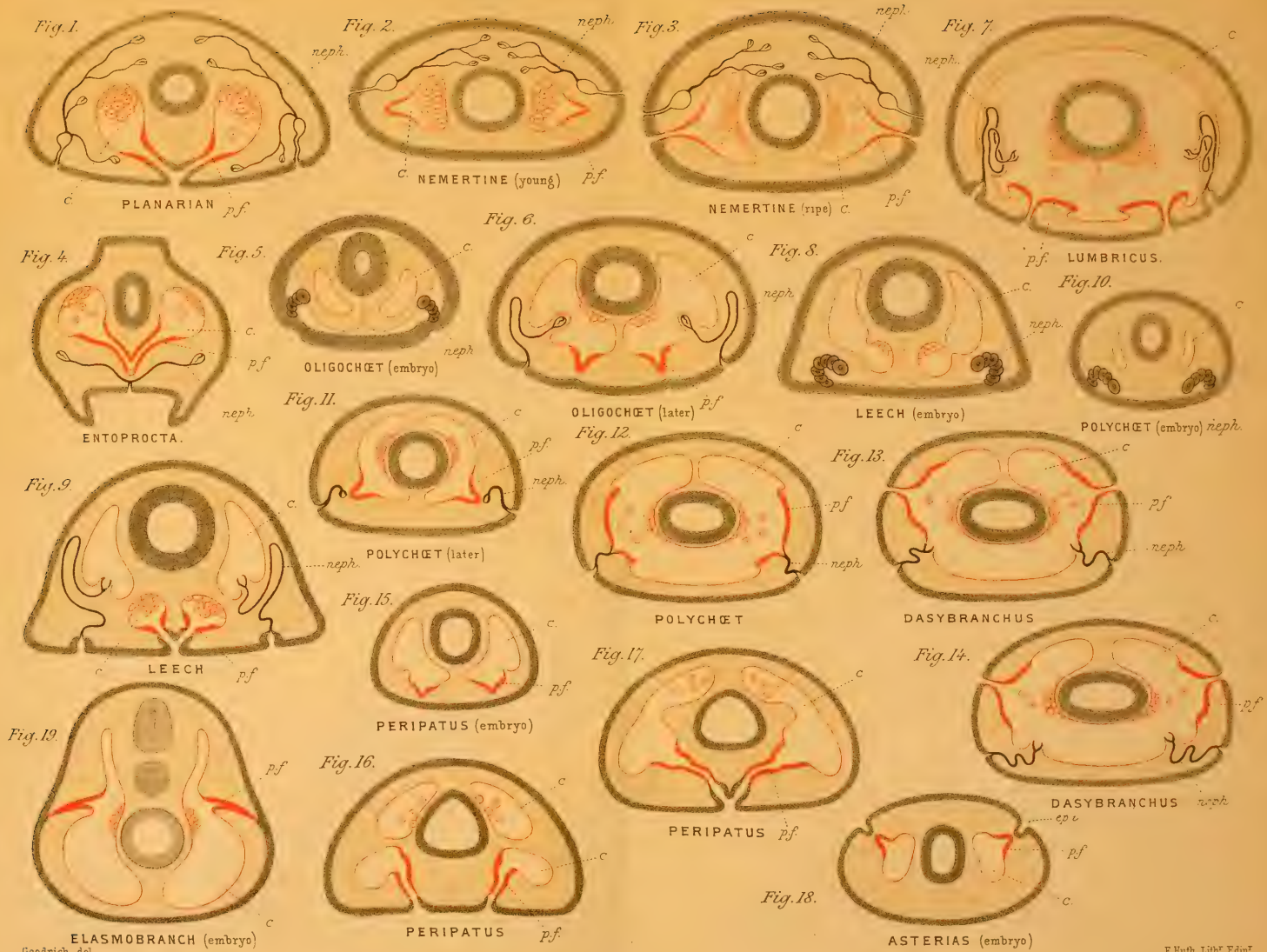


Fig. 29.



Fig. 30.



Fig. 22.

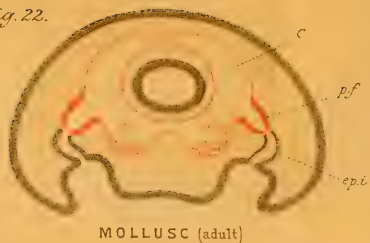


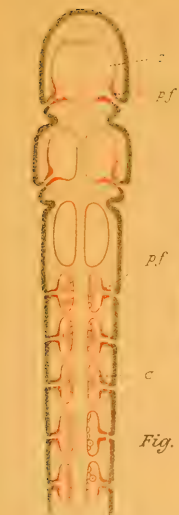
Fig. 21.



Fig. 20.

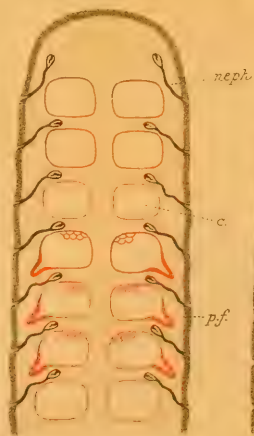


Fig. 23.



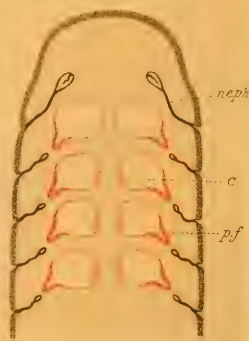
BALANOGLOSSUS

Fig. 25.



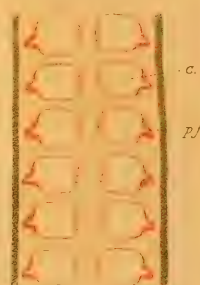
OLIGOCHÆT (larval)

Fig. 26.



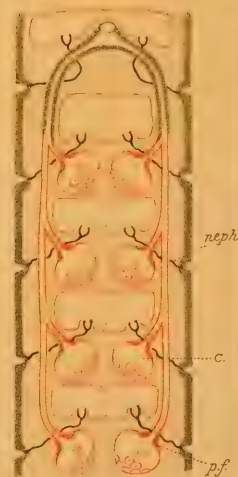
POLYCHÆT (larval)

Fig. 27.



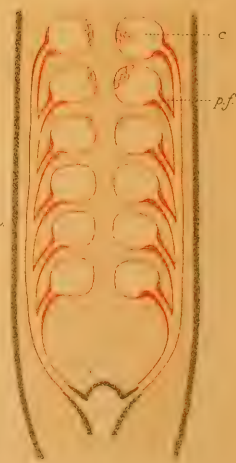
VERTEBRATE (embryo)

Fig. 28.



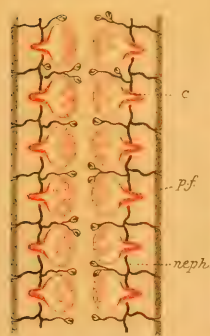
LEECH

Fig. 31.



VERTEBRATE

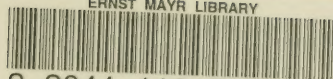
Fig. 24.



NEMERTINE



ERNST MAYR LIBRARY



3 2044 110 319 811

